ATTORNEY DOCKET NO. 01123.0004

SEQUENCE LISTING

<110> Rubin, Donald H.
      Organ, Edward L.
      DuBois, Raymond N.

<120> Mammalian Genes Involved in Viral
   Infection and Tumor Suppression

<130> 01123.0004

<140> 09/509,712
<141> 2000-03-31

<150> PCT/US98/21276
<151> 1998-10-08

<150> 60/062,021
<151> 1997-10-10

<160> 127

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 925
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 925
<223> n = g, a, c or t(u)

<400> 1
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tanatggggn cgggatcntn tccnaggana gattnatgga gtatnccttt tttgcncnaa   120
ggttgattgc tcttgaaagg ntttgaggtg naattcctcc gtnagtttga ccgtagtcgg   180
atntgaagag ggattgttna gcagncataa tttcattccc tgnacaccca gtaacnnttt   240
accgtcattt ggttgggaat tgatntcggg aggtancaan ggccacagtt atttattgtt   300
ncggaggatt gcaccaattn ggccggctgc ctctganatc tgtttctcat ccatgccggt   360
tcacccagac gaaagccgaa agcntcggga gtcctaactn tagtccntga aagtcattcc   420
cagctgcgta attgggctgt gcagagtccc agctcggtaa atatttgccc cgtgactgag   480
ctggagagaa tgctcctttc ttggtcctgg gcagctcttg gcagctcaca tgcactgttt   540
acctatcctc ccacattccc ccctgaggaa tcatcgtgcc tcggttccct taagtcctct   600
caacagaaaa caaggcagag tggaacgaag gaaagtgcgt ggccgttaga aagcctgtct   660
cgaatctgtc ccacgtgcct caggtagcgt tccaaacagc aaagattcta gtgaagaaaa   720
ataccgtccg gtcaattagt caggtggaca gagcaggacc cggtgtcttg gaagcctcgt   780
ccattcctct ggggaaggtg ggggggggcg tgtaatgcag ctctcaagaa gaaggtattt   840
ttgttttcct ggagaaactg ccatcccagg agctgagagt ggatcagtag gaaggcctgt   900
gacaggaagc agggaggttc agcng                                         925
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<210> 2
    <211> 554
    <212> DNA
    <213> Rattus norvegicus

    <220>
    <221> misc_feature
    <222> 1- 554
    <223> n = g, a, c or t(u)


    <400> 2
caagatngan ggggcggcgg ttcgnccaga gagcgggtag ggaagggaac gcgccggatg      60
agccngggtg cgganagcca daccccaggc gtgggaaggg gagagagata gagcggccgg     120
ttgggaagag gaggaccgtg gttnataaat aacagaaagc ccagagggac gtanccatcc     180
gggatggaga gaggtaggga atccagntgt aagtcccaaa ctgccaccac cttcatnaga     240
actgcttcgt gtaaggtcac gcaccgggcc agctgtccng agtggcggtc ctggcgtgtt     300
aagttagcta aagtnactgc aactccgnct gtgcagactg ntcgtaaatt ctctctgtcc     360
gccaaattct ccctcctatt aaacttttca cttcctttca cttagtttcc tnacttcttt     420
caaacggaag ctgtaactga gcctgccacc cnganacntt gtggttgcca tttttatgct     480
aaagtaatcg tgtttttttat gcctgtcaac tcccttttca tntaaagcag ggcntaccct     540
attataactc tgcc                                                       554


    <210> 3
    <211> 891
    <212> DNA
    <213> Rattus norvegicus

    <220>
    <221> misc_feature
    <222> 1- 878
    <223> n = g, a, c or t(u)


    <400> 3
ttngaaanaa tttccgtnaa ggtcngnaat nggccccgga aaaaatgngt tcctcccac      60
cttcattggn gcggatcctg ccnggaggc caatggttta acaaataatc tttnggagnt     120
ntggtngggg ggggagggac ncccacagan tcatgnggtg gttngggngg ngggcatcgt     180
tnngatatta tcacattntg ngaanctatg tnggggcttc ctttcngaca ggtggtggtt     240
nnacangngg atgtgtgctt ctttttttcag cagtggtgga cccggattct aagacccta     300
cngtaacaat gccctntttt cctaagccta accagtcctt tangaggant gctcttgggn     360
acccatgctg nntcacctag ccttggntca catnttnnac acaggaaaag gcagcatgtc     420
ttntnggagc tcagcttatt cccttcccnt cccatccagn atctccctgg gntggatgag     480
gtggatgacg catcttcaaa gcaccccacg tntcatggga tgtgcacagg agcttcgttg     540
gaaatgtgtt gcgcgaccag gcttgtgtag gaaacaacag actactcgaa attaaagtcn     600
taccttgcag ggttctcaga ggctttttacg cattaataaa catttgaatc ntaagaaggg     660
agcacagcat gtaatatttnt tcaaattatc aggcnttgca accttcatta gtttctctta     720
cgcagctggg ngtggtggtg tgtacctta atctcagcac tgaggaggca cngatatctc     780
catctctgtg acttccagac cggcntcgcc agagcaagtt ccaggccacc cagatgagat     840
gctcacagag gggaccttt tntgatgacc aacgnagnat gcaagtaagg a               891


    <210> 4
    <211> 974
    <212> DNA
    <213> Rattus norvegicus
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<220>
<221> misc_feature
<222> 1- 974
<223> n = g, a, c or t(u)

<400> 4
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aaaanaanat attccgnntc tnntagcnna gaagttntnc gagcnntccc ccgtnttttt      60
aaaaacccnc ggattccggn nntcgggntt taanngnttt tttaanggcc cnaagncccn     120
nttattgccg ncntttcccc cccgctnttg cncccccttta cttngagant ngtgntncna    180
agatttnaag gttnttgccc ccccggcttt tnttcccctn nttttccccn nagntttaaa     240
accggtntgg gttncnantt nnttgnancc nccnattggg gtttccgntt accngggttt     300
ttccccatgn ccgttccctc caatnttgna cttcccnggt cngggtccna atnccnngna     360
acngntcnan ccttattgac aattaatttt tccttgngna ntctgncccc cngnantttg     420
gggttcttgg gngcagggcc ttttttttcnt tggnngcaan cncataaatn ttaccagntt    480
gattgctaag gaagtancca tggttgngaa ccccccccttn ttntctccca gatggaaccc    540
aggattttgg aactgcagag gcttcagggt cttgggaagc ggaggcagnn aaagattgga     600
gtgcactgtc cttttgcaat atggggtttg cctgcctgct ggctcntctc ctgctntntc     660
agatggtgac tgaggctact tcngcaggac tnggaataat catgtccagg tggctgccct     720
tccgagcaga aagggacaga cgtggggcga tgaagttgct atcgtttntt ttttttttctg     780
cacagactgc aaagtgtgca gagggaggga ggctgtgcaa aaaaaaaaaa aaaaaaaaaa     840
aaaaaaaaaa ccgaggacgc agaagttaga ctgctgaccc atttggtgca tgtgtgccca     900
tggagggagg ggaccttntt taaagggttc acgcggcacg cantgggnaa nngnnccntt     960
acgnnnctcc caga                                                       974
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<210> 5
<211> 850
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 850
<223> n = g, a, c or t(u)

<400> 5
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antttttcct caagnaaant ntggtttggg caacttgaag acgcttnnac cnaaaaccct      60
tgnggagntt ggngaccttn ttaccgnaan gagtgggaaa cgttttcctc cgggttnang     120
gttagggggga cccgnnggaa aattttaaaa ccnngngggc ttttttcgaat taaggggaaa    180
ngcggtttng gtnnntgaag ggcgggnggt tggagtcnna gtccagagtt gatttccacc     240
cacaaatntg ggaggtgncg gggaatgntg ncnttttctt gngatgaggg ntgccgtncc     300
ggantaacag ngnttgcntt gtntngcnaa acgaagagtn tcctgnttgg aataggngtt     360
cngttcgang ganccagatt tangngntgg agnaaggatt nggcagataa angcntgaga     420
natgnancnt ggancaggtc nggncnnagn ntacagatga tgnncccana canganataa     480
ntncagatca cagtcgtacc cgnggctggg ccatgaaanag ggcatcccca gacnnacaca    540
ngccttnana antgntcaga gaaccancag tggntanggg ntgcccnnnn naccagggaa     600
gacccggggc gtgncggata ttgacacanc agatnncatt tggggncggt tcgagggttn     660
atgntcnccg agtacnagan angatcntcc aacccggaat ncggtgctcc ngtcgtccga     720
tgnaatgagt cgnccggnaa cctcatatcc aagaaacnat acagcagtgg nntccgagtc     780
tcgtatantc nttgcgggng gaggctatnt tcagaggnca agattaccgt tagcgggana     840
aagtngaana                                                            850
```

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<210> 6
<211> 531
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 531
<223> n = g, a, c or t(u)

<400> 6
ttgnggcngg gtctcctctg ngtgngngtn tccccnanag gggggtctc acagtgtnng        60
ngtctnntgt ctgtgtngtg cccctgtccn catctctcac nccagggaga gagatgtgag       120
ananacatca gagatctctn gnacagtgtt tcacaagagt ctatcncana gagcacatct       180
gcccgggggng anacacaact ctaaatgtgt ctcanntgat ctctctnttg tgtctctnac      240
atatgnggac atgctctcag agtatnggnt ctcttgngcn cttntgcaca cacacacaca       300
cacacacaca cacacacaca cacncttctc tctggcacag ggntatggca nagcacatnt       360
tnngagntca nagctntata tgagtgtgtg gcgaaaggng tnatnananan gacnncccca      420
gcnnatatag gggggngnnc tctnggctc tcttnggnaa tntgngggng agtctgcnca        480
cacaggcgct cnnacccanc nnnttggggc ccccaggng tttttcnccc c                 531


<210> 7
<211> 572
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 572
<223> n = g, a, c or t(u)

<400> 7
tttttntgtg gccctttaaa ctctgngtgn ccgtntnccc nagagggggg gtctcacaag        60
gagacancgg nnacacagag gttttgngnn tattgngagt ctctgcgcac nccananttt       120
aaccncgggg nctcntgttt tattttaaaa aaaaagagtc ncatgtntat ttctctnatg       180
tgaaaatcnc attcanagtt ntggggtttc ccntgaggag anatagagtt tcacactctt       240
ctctccgagg ggtcntcnca tgtntctccc caatgtgngn ggnacacaca tgnggccccn       300
aggggtgng ctctctctgc ncagggcncc ccccaanang tagaganaca ntgtggtgtt        360
tcacaacaca attcncgaga nattntgttc cncantggnn gtctnagntc ncatgttgtg       420
gngacangtt agnncncccc atnttcnccc ccctttcaca ctgccccnag agagagaaan       480
tctnggcccc ctctananant nttttaaat cnccccnnac cacaggtntt cccagggtat       540
gngacntcnc cnnccccncn aaagatntgc nc                                     572


<210> 8
<211> 906
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 906
<223> n = g, a, c or t(u)
```

<400> 8
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tgggagtctc tctcatatgg cgcnttcncc aaaggggngt ctctntccng agncgcanac    60
gcgagaanac tctgtnnant ngtctccccc cncnccnaca gngtganant caaaacctct   120
agagcccccc agaaancccc tntctcaaan aaagagaaag agaagancga gnagnagaga   180
gananagaga gagagagtgt gganctntnt cctcngancc ccannnanan ngtgnggcnc   240
actcncnngt gnngngnacc ccnggggatt tncgcgtgtc cccttgngct ctgtntanga   300
gananatatg tntagtctct ctntcgcccc ctccgntgtc acgtgtgcgg ggcccnngag   360
acacagacac ntctctcang gggaacacat anngactcnc acntgtgttt atattcnccc   420
ctcccnctca cacanacaca cacacagnag atattnngct actctctctc tgtcacaggg   480
gtacanattt antctnggcc anacccctct cngaagngng ggcanngtaa accccgcccc   540
ctctcngaga angngagggc gnttttacntt cccngtggcg tgtncgngcc cccgagactc   600
cccttngnac cccctntna accctctntt tgaacncaac ncaccntccc cnttttctcg   660
gggnnggncc ngcncccnct ctcncaaaaa aaattnnaan ttngtcccct nccccnttnt   720
ttcnggnana aaccgtgtcc ggggggggan nactcttttt tgnccttaaa atcaanttt   780
ttcccctttt ccnggggacc cccgnnttcc tttttaaaaa aaaanaaccc tttctcccttt   840
ttaaaagnac ccntttttc naaaaccgtt ccgnatttaa ttcctaaatt cccttccccn   900
ncccgg                                                           906
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<210> 9
<211> 914
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 914
<223> n = g, a, c or t(u)

<400> 9
```
gggatgngcc ctcagatcaa tacacccctc nggggngtc tctctctatc tcccncagna    60
gactcccatc tctntntntn cccccaganc tggngaacgg ngtgtggnga nccntntctg   120
ttctcnantc tctaaaagng cnaaaagcgc ananacacgn gcctctctat anatctcacg   180
tgtcccnngn nctctcngac ccctnntctg tntgagagac accctntctc aaaatatagt   240
gtacacgngc tttgnggctc tccccttttc tctccactnt tgagngngaa acgcggngtt   300
ntctctgaga tgtaganagn gtcccctnct cnatatatgt gttncccact ccnnagggng   360
tctcataaaa atcncntntc tcaacaccac cncctcnacc ccccncacga gaacacntcn   420
ccaccncnan gacacaaana naaggngtnn anaaccccan aaaaactnng ntntcngntt   480
tacacacaca cacacncacn ctcncncaca ccccacnna aatgggagaa aaaacagaga   540
ggngtgggtg ttngnntcaa caccntntta cctctctgnt gnnanttgag aaaatatttc   600
tntncttacc cctctcccct ctctgtgtgt ngannatatc ngntctagat gtcctnaccc   660
tccccaaacc tttctcnggn agagacntct ctntnttttt ccccncttc catttgaaan   720
anangagaag gnccaaaaag gngggngtct tctcgggaat ncnccctttt ggcccccaa   780
cctgggtttt tttcccccttt ccttttaatn antttttcna nacaaanctt tnngngtttn   840
ggaaaangcc tttnnctgnn nnttttttcc cttcccctttt tnnangggnt tcccccccccc   900
ccngaatttt tttt                                                    914
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<210> 10
<211> 400
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1- 400
<223> n = g, a, c or t(u)


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acagtttatg aatattatta catatttcac aagactttat attgttataa tatgcctcat    120
gtgagatata tgtgattctg tggtggtgtt ctcagagggg gtttgggtta ttggggataa    180
tagtttgccc ctcgcggggt ctatatttat atatgtgaca caatatatta gagagatttt    240
tggttatata tatttccctt cgcgggggtg gagatttatc acaggggag  agctttttccc   300
ttgttagcaa aagtccctgg tctcgtcccc catctcccaa aaaaaaaaaa atgtgaaaaa    360
aaaaaaaaaa agggcccctc ttgagtgatg tccccttctt                          400


<210> 11
<211> 880
<212> DNA
<213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 880
<223> n = g, a, c or t(u)


<400> 11
acccaatctt nanggtggca gtgnggnnga tcttaacggt ttttnagaaa aaaaantnct    60
tcgctcncac ccccaagcct cccnttctta ncagctttt  tatangaaaa aagatgataa    120
cgaaattta  aaaaccgtcg ttagaggaaa tgaaggttca gccgaccatt acctganagt    180
aatgaaggtn ttccggaggg ttgccttcca atcccagatg gatttgagtt tcaggatcaa    240
ttcagttacc gntgaccatc caccnncctc cngtataatc attngatgag gatgaatggt    300
gagtgagtga tgatgatgat gatgatgatg aagggatgag aagnacacta tgataacaag    360
tgtctcagtc cacattaagg tttgcctgna aattagtgca taagccatgg gagacaaatt    420
cttttcnnac acaattaata gtntcttant ccttcccatc ttctctgccc cattctgttt    480
tccaccacag gtctgcagcg ggctacagct tccagtctcc aagcaaatac cagaactgga    540
ggagaaaatt ccagtccagt gagtcatggg caggggagg  ggtggggtaa gggcagtggc    600
gctcattcct nacatggtgt cttctcttgc ctagcctggg atctgagggc aagagaacct    660
gtaagcttga tttgatttcc actgctgact ggagtcactg ccaagggatt tgggacttct    720
ccatctctct ctctaacctg aaatccttag gattctatta tttcaccgga ccagagctgt    780
agcagagatg agctccaagt ttgaaatgag aaagggaaa  ttgagagcta tgagctaggn    840
gcgaaagncc ccacaaagnn tttggcaagt agaaaagncg                          880


<210> 12
<211> 909
<212> DNA
<213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 909
<223> n = g, a, c or t(u)


<400> 12
cgngagnngg cagggannna ggngggagcn ngagaggaga aggagaaggn nnggnaggng    60
nngngagnaa cgggcgggan cnnnngacga gagaangggn aggggancga agngcggngg    120
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nagacggtgc nngggggggga ggggcaggag nggnagagag gcangagngg agnggggaca      180
agcnnaaanc gaggaggnan gangngangg nnggngngnc gaaggcgcnn aagnnggtcg      240
gngagcggna gnggnnaaac tggggaacga gacagacggc cccnncggng gcangnggga      300
gagnnncgcc agngagagna gncagnanca gancanggga gggggggggan ncacnggcgg      360
gagggncgan gacggnnngn anngannaga ggcannnnnc gccnanagng ngaagngagg      420
cangagtgnc gcnngagnag acaggcccgc gcnccggggg cagacnnngg ncaccaccga      480
gggtgggngg ggcncggaga naagaccaga ggnnngaggg cganggcnng ggtnngcccg      540
ggccncccna aaaaaannnc gaaaaaaaan aaggggcgcn gcgggcggg ggaggagcgc      600
ntnncgtang tngantgacg gaggccngna atngggccgn gccanncag ggcgnagagg      660
cccaagngcg gnaggngnaa gnanagancc ngnnggtngg gagnganagn gcnnggnncc      720
naccccngn gttganggcn cccacgncgg ngcaggccgn nnaaagngag tcccnaaaa      780
nntcgnggtn tnacancgnc ccggggncgc cgcngngtcc cgncacacng gannncggag      840
anngcctnnt ntctncacan ggngccanac nngntgctat gcaaaagggg cgnacttcna      900
gaaaaagnc                                                            909
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<210> 13
<211> 927
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 927
<223> n = g, a, c or t(u)


<400> 13
cctttattcg gaggcaggga nnncttgtcc gggaangtta aacgtttttt aaaaggggggn      60
ncccnggggg gggggnttnt ccaggggaant aaaanggtgn gttgggggggn aaaaatttat     120
tttnaaaaag ggcgnccnat ataaangacn ttcgggggggg tttgaanagg gccggaancn     180
tcgacgggtt tccgggnggg ganaaggana agggnacgca cgggatttct tnccctttttt     240
tngcaaattg cngcaggana ccaccgggtg gggnggtttt gttttccgtn aagaaagcgg     300
gngtggaaaa acanggataa acgggaagan ggggttattt nggttagnaa ttgnttccag     360
nggngccagg aaattggcct gtccaaaatt cttttcccng cttttaagac aggcaggtat     420
tatttggcag caggttatta cnataggnaa gtaaataaca atgggtaagt gcctggcaca     480
ggccagggta agtagggcat gtatggaatg ttaaacatta cccttcatcc tgagaaanaa     540
aanacaagna anaaaggctg gtctcacata tcccaaagct ttatcttcnt aggtgcccca     600
tggtgaacgt taagccaagc ntatgantca caagggacga catgggcagg ntagggtaca     660
gaatcagtgn tcagagactc caggggcacc cctgattccc tttgctgtca cacagacact     720
gctccaggga caaccctccg gatgtgagta tatgacttcc tgatggtgac gctgccgtga     780
tgggacactc ntcgtggtag cacacattcc tcagtcagct tctgagcntc agggtcccag     840
cagagcacag tggcaangac tttcattctt nttggncttt cccaggggggc gtncccaaat     900
ggaagatttg gcaagntaag gaagntc                                        927
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<210> 14
<211> 848
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 848
<223> n = g, a, c or t(u)
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     <400> 14
ttttccaagt aaancanggg anttcggtan aagaangttt aaanaagngt ccaggcancn      60
gaaattttcg nggntttggt taacgangca accaggggg ggtttcaang ggtcttctaa      120
tnatttnaan gggngtagtt tctggtnggt tcattccttn aaaaaaaaac aaaacaaaac     180
aaaccgnagc ttctgcattg gccaccngtt gnggcaccaa cccttnangc attgcccttt     240
ccttcctgcc gtgtcgggng gcgctaagcn gcccttgtca ccttccattt ntngatcatt     300
ttccatgtcc ttgcacttct gcttccactt cntgttggta gacgagctgt atgntcagaa     360
antgaagtac aaggccatca gcgaggagct ggaccacgct ctcaacgata tgacttccat     420
gtaaatgttc atgcaccctg cctgcttgca ccctcaccnt catgcttgtg tgatgacctc     480
accgtggctc ccccannann aaaananatc catgtctgca cctttgttg gctttcttgc      540
ataacctagg ataggttatc ttttccacgt tgcactaaca aggccacgcg cattcggtcc     600
gtgaaaccac ctcggcatcc ttttatntca tagaggcaaa tntagcttgt ttctgccgag     660
agatgacctg gactccgaat gggctctgag tatntccttt taaaacctta aaccagantc     720
aagtaaagtt aggaagccat gaggcagtgg tgcaggaagt taggaagaaa naccgggttg     780
ttggtttcct gggnctgggg tgagggacca ttgatagacc tttacgaaan ganccgcang     840
atagaaaa                                                              848


     <210> 15
     <211> 896
     <212> DNA
     <213> Rattus norvegicus

     <220>
     <221> misc_feature
     <222> 1- 896
     <223> n = g, a, c or t(u)


     <400> 15
agagaaaaag gaaanannga aagaaagagg agnaaaaana aagaggnggn aanaaagaan     60
agangnanaa agaananant nngagattac gaantcgggg agagngaaag gaaacaaagn     120
nggnggnaaa gagnnanttn tttcaagggt ccgnaacaaa aagttgagng angattccna     180
acaagggntn nccacccaan ctgntaaagg gangatttgg ncaaacanaa accngtattg     240
gggagttaaa aagagtcacc aaataggaa aaaaagttng ggggagggnn aacnacnggg      300
taaaggttcc aggaccagag ngttcagnac caagtttcag tattcaggag gacagagttc     360
aggatcnntt tggaacattg gggtttgggt agcntggnaa cacgaaccct tttgttcata     420
aaaaggaagg gaaaagaaag ggnngaagag tnttcccaga tgnattntga gcagagaatg     480
cccgacccc cgaatacgta gttccaaaat gggattgnac ctgtttcacc tcaaatttca     540
ntcntccttc tngtggacag acgcagggat ggggtcgggg aaggggngaa gctggtgcgt     600
gttctgtggt tgccggtgga tgntctgcag ctgtntaccc caccgaaaac gaatggatgg     660
gatgtcactc ccaggcagta gggggcgcac gcgcattgtg ttntagagag anttccccag     720
cctcccngg aannacaaca cgttntcttc ttcttaaggt ggtggtgggg gggggggga      780
agacctattg ctttccgaga ggatcggacc aaacagcaga ttntgctcaa ggcccttgaa     840
ccctgntatc tcactaaaca tctgagatac tgacattaca gatacggata tcgtgg        896


     <210> 16
     <211> 858
     <212> DNA
     <213> Rattus norvegicus

     <220>
     <221> misc_feature
     <222> 1- 858
     <223> n = g, a, c or t(u)
```

```
        <400> 16
gccaatcaag ttncggttaa attttggaaa ngnggcgaat gcnntgtctt gnggattttg      60
gagggnggaa ngtnggtnaa agagttttaa tgttcttggg atcgcaanta ttttcctggt     120
tcgcgncttg tacattatga gggttgataa cngctgtttt tngattttgg ttaacanggg     180
ngggngcntt tttnggntga cctntagtnc ntcngngccg ggcattttgg ntaccttttt     240
attttntgaa gtncaggggat gttgtgtact gggaatattc cttagaagtg accatgattt    300
tatattttat taaatatata cttagattca ntctttgcct aagcctggat gttgttggtn     360
tttgtttttg ttttgttgtt nggagagttn tcatttttccc aagctggctt tgaacattca    420
cttccacaca aacatgtcca cacacgggca aaggtgtatg cacagatatg gacataacac      480
acacagagaa gaatnacaaa caaacaaaca aaatatttcn gacagaaaca antaaataca     540
tccagaaggt agaatattct acaaggcatc aaatctgttc taaagaaaaa gttataataa    600
agaaaaacat tgaaaggcag gtgaaggaga ttgaaggcca taggggccac aaaaaggttt     660
aaacagcaaa gcaccaacgt agatatccgg aacgtgctaa atatggcaca cacaggatat    720
ccgggaacga tgagtcagcc agcggcacat ataaccaacg atgtaatctg ttatgtaact     780
atgaatcatc cctggcagag tgccacctt gtgtgatttt tgtataaata tgcccctgag     840
accagaagcc attgcctt                                                   858


        <210> 17
        <211> 551
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 551
        <223> n = g, a, c or t(u)

        <400> 17
ttntctgtac cccttctca aaaaaagtgg ctggtgnctt ttctcngaag agaatcctca      60
ccnccncana anaaatatct ctctcccccc cttgttgntt gtcnccnnc ccaaaantgt      120
gngatctntc tctctgtgca cgaganattt tagagggggga tatccccggg gtgtngccng    180
tgtctntcct ctcgcgaata tctttangag nctctctctc tcgancccc agngtaggnn      240
gagnggganaa cattttttntg tggnggcccc ccacaananc acnaacaana tattttcgag    300
aancncatgn ganaatcggg ggggggggg ccngtgttna cacnatancc ngggngatna     360
nanagacacn nnatatntct gggntgtgna aanataanac aagancanac atgnggagan    420
natgtgagan tgtgcacacc ctgttgtgac atgtgaggtg ggggctgat gatncctncc     480
ttctacgtnn tntcttctcc tccncantga tagacnccac ctgctggagt gnctagctan    540
ctggggtcgg t                                                          551


        <210> 18
        <211> 888
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 888
        <223> n = g, a, c or t(u)

        <400> 18
gttaaatatg aaaaagtggg ggtgacaggg ggtgataccc tttgcgccgg gctatggatt      60
tttggcaccg ataagatttt caggtgacat ggaaggtggt tggggatggg ggaaagtttt     120
```

```
gaggggccaa aaggataagg aggatgattg attggtttgg gagcagtact tggaaagagt    180
gtgtttgatc ggtaaacaac cacgtgtagt gtgtttttgt tgcagcagag ataagtgaga    240
aaaagatttc aggagatctt gatttttttc gggtcgagct atgttggggg atgtgagggt    300
acaattcaca agatttgttc acagggagtt ctaggaggtg gtcccattag ccggtagggg    360
ggttttctca ataaatgggt tcagtcaggt gtttgcctag atctttcatt agttcctccc    420
ttcaaaggga ttttgaagga gtgctttgtc ctgtggagca attgactcaa tcaataaact    480
taagtaatct cccggattac tgttgatgcg ttcccagaga ggtcccccgt agttaccagt    540
gaatcacaat ttcctaacca tatgattttt gttaatctca ccacataaac ccacaattct    600
cgcgtccttt gtgatggttt caaagtctgg aatatttttt cctccatccc tcctttcctt    660
cctcctttta tccctccctt cctttttttcc tttcacagga tctcattatg cagcccagtc    720
aggccttaaa cttgtgatcc tcctgtctca gcctcctagg tgttaagatg acccaaatgt    780
aaaccatgtc cagttacttc ctcctaatcc catcttcaga tatcctttaa gaccaaatta    840
aatattaact gaaagacccc accagtaggt ttggcaagct agcaaaga               888
```

```
        <210> 19
        <211> 867
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 867
        <223> n = g, a, c or t(u)


        <400> 19
cttttctaa atttttttaac ggggggaaatc aaacggcaaa aaagaggggg gaccacctca    60
atcacccaca gtggaaaatt ggtgggtatc aatcaggtgt tattaggggg ggaggaatgt    120
tggggaacaa aaaaaaaatt ttaaaaattt ccagggggggt tttgaaggca ggtgatttaa    180
aaaccgcccg tcagttaagg gggtttttatt ttttttttaat aaaaaataaa attaggattc    240
tggaatagaa ttttttaattc agggatcctt atttttaatg tttccagggt aaaagggaga    300
tattcttatc aggtttctgg aaaaagtttg cttggtttcc tttggcagga gagaggttta    360
aaaaagactt catttgaact ttttgatcat tgtgtaaaac ttttttttttt gaacaaaaca    420
ataaaatgta aaaagatata gatcttaggt ttttttaaaag acaaacatat aaaatattaa    480
aacagattgt ctgtcccatg caaatgactg actgaccttg taacagctcc acagagtgtg    540
taaaaacaaa aaaaagcccc ctgagagcct tgagccatca ggttaagtct catttattaa    600
tattttcaag gccacaggag acactctgtt cccttcattt agggaggtgc tgaggcagcc    660
atgttttccc agcagtgggg gttgggcaga gccactccag attggcttgg aggggtgtgt    720
agctctcagt ctgccggac ttggatggtt tattttctta aacgaaaaca cctgcctgag    780
aaagagccct tttcacgggg tggccaagtc ccagcccgcc ctgggagcca aggtcaagtc    840
ttagcttagc gttctaagga cacagat                                        867
```

```
        <210> 20
        <211> 897
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 897
        <223> n = g, a, c or t(u)


        <400> 20
aaagggnanc aaaaccntaa nggggagggg nggggaaatg gccaaaantt ggggttaaaa    60
aaagttagga tntggttgga tccnacccac aaggaatttg ttnttaattt tttaaaggna    120
```

```
aatttgggca cttcnattgg gaaggttaaa acccaggcaa gtgntaccgg gntatgcaag       180
tgaaacntga ttctggnggt ggagggaagg atantganat gtgagtgagt gcagttgagt       240
gaggacttgt gagnacaggt catgcccacc aaagggagga gcaagggtgg gcagtggtag       300
gtggtgtgtg gttcctttct gggggntggg cggggagaca gatgagaacg ntattggagg       360
acaggnacaa gtgtactgaa atgcaaatcc ctgtagatct ggaaaaggtc tggnttcagg       420
cttgatgctt gggccggcaa ctgtgnacct tccctgnacg ttcagccccc ccacccttac       480
ggaagttttc gtcactgaag actagtggct aatcagagtc ttcaatggac ctgccaatca       540
gaaaggaagg cgggntnttc cgggtgcnta ggtgtaggat tcgctcagta gttaagcagt       600
cttaactggt tctggctgct gtgctntctg tcctgccgtt ggattntctg aggcatgttc       660
aggcaagctc caaagttgcg acatggtgag cacaggggca ggggggggcgg gcggacgggc       720
aggggactga gcagtgggag ctggtgtggt gggtctttcc cggggctgag ttggaatccg       780
cggctacccg tgaggtctta gccactcact agacccagcg gcagtttctg aataactttc       840
nttgtagggg ttggnactcn gnaaagactt ccacnaaggn cttggcaagt agaaagg          897
```

```
        <210> 21
        <211> 435
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 435
        <223> n = g, a, c or t(u)


        <400> 21
gattccagag agaggagtga actggcagat aaggcagtca gcataatggc ttagatacca        60
tgtgctttcg ctcactatgc acccatgaca caagatcaca gggtacaggc ctggaccatg       120
gcagagtata cactggttgg gtaaatgaag aggagagaca gagtgggaag tcggcttagt       180
ggatatggac ttcaaatttg atgaacaagc aattcaaatg agtatcgtgg gcttgantgg       240
tatgaagacc cgtttgcaaa gcagtggtca taagagagaa aagagagaga gagagagaga       300
gagagagaga gagagagnaa gagagagagn gtgtgttgtt gttgttgttg ttgttgttta       360
ttggttnata acaanatnta cctttgggcn ctttngaaag actntncaca aaggagcttg       420
ncaagctaga aaggt                                                        435
```

```
        <210> 22
        <211> 894
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 894
        <223> n = g, a, c or t(u)


        <400> 22
gaaaaaaaaa aaannataat tttaattttt cccccatttn aagggaaatn ggaaattaaa        60
natnggtttt nagcccaatg gaaattaaaa ttaagaaggt tgttttccaa aaacctttcc       120
ctagaggana accggccnat aggnggggggn agnatggaag gattttccag agaggaatca      180
gtttggngag agaatttgat aaggagttcc ttggaaccaa ccnggagggg gttttggttt       240
nngggattna tcangatggt tgtccttggg aagcataagg ntggtttatt attttggtta       300
aaggggatga agtaccntgt gttgcacttg gtagcccaat gtcctgtcat tgtgctttgg       360
atgtaggcag ctttgaaggg atttntcctg agaggatctt ccggatcaga gtatatcgcc       420
ttttcttggt gaggccccat agtgggantc cgcacttcac catttctttt ccgcccgccc       480
cagttcggtt ntaacccacc cgcgtggcca cgatcccagg gacatagcgg gacaggcccc       540
```

```
gcagtgcggt gacacacgtg ggcacacccc acctgtgcag ccggtggctc gcgntgaagg    600
acacgaggcg cgacaatcgc gcgcggcgcc gaaggccaac cgccgcgttc atggtnttca    660
gaccaaagac ccacaagnta cgggttccgg tttccgggac ngaggccagc ccggttcccc    720
cgcggntgcg cagtgcaaan tcggccttcc ccgccggaag tactcctggg agcggtttcg    780
gcgcgtggca cttttcggtc cacctggagg caacactggc gccntttcct gtttcagtct    840
ttgntaggct ataagtgaaa gaccccacan gtaggtttgg caagctagcn aaag          894
```

```
        <210> 23
        <211> 594
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 594
        <223> n = g, a, c or t(u)


        <400> 23
ccattaatgg gggngggnaa agggataggg atttgggccn gnnggttant ggggaagtgg     60
gattttaagg aattccccaa aaatattgat tcttccaaag tattttcctt catttcccaa    120
nagagtaatt tcaaaagccc cagntttgtg gaatcanttt ttgaanatat gaaaaggccc    180
taatggtttc ggcattatta aggcccgctg aggacactgn tcaagttact cttggaaggc    240
gtttntggca gaaacagaac agccccgttg gcacggacag tgtccactgt ttatctataa    300
atcttttcaa gcagatcttg cagccaacta ggtacaagag tcggatgggg atggggggcg    360
gggagtcaga gaggtcggaa caatgaggcg gaaaccaaaa ntntgaaaca cgcccacctg    420
aacaggacga aagggtgggg cttggtccac ccagaaggaa acctcgaact ccacntttca    480
aggtatccgc tccgggttag cagccccggc caaacgcccc tgctggcttc taacccaacc    540
agctacgaaa gcaggctnga ccactagctg ncctcgactt gaaagttccc acaa          594
```

```
        <210> 24
        <211> 586
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 586
        <223> n = g, a, c or t(u)


        <400> 24
atccaatnat tgggagtagg acaggggatc gggattngag gccagttggg ntagtgggat     60
gctgggaatc ttaaggaatc cccaanacat atggattctt ccaaagtatt ttccatcaat    120
tccaaataga tgtatttcaa aagcccccagc ttgtggatc agttttttgca ntatatgaaa    180
aaggccttan tgnttcggga ttattaaggc ccgctgagga cactgttagg gcgcntcaag    240
ttattcttgg aagggtttct ggcagaaaca gaacagcccc gttggcacgg acagtgtcca    300
ctgtttatct ataaatcttt tcaagcagat cttgcagcca actaggtaca agagtcggat    360
ggggatgggg ggcgggggagt cagagaggtc ggaacaatga ggcggaaacc aaaantntga    420
aacacgccca cctgaacagg angaaagggt ggggcttggt ccacccagaa ggaaacctcg    480
aactccacnt tcaaggtatc cgctccgggt tagcagcccg ccaaacgccc tgctggnttc    540
tacccaacca gctacgaaag caggcngacc actagctgac ctcgac                   586
```

```
<210> 25
<211> 909
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 909
<223> n = g, a, c or t(u)

<400> 25
gggggggttgn aaattgagaa gcccnccttt cntctttgtt gtgaanacat ttnccntncn    60
gggggatccc tnggttccgg aagggccgcc ttagttnttc ttttcctcca cctatgaaag   120
gggngggagc cgattaaaag aagggnggag cagngaggga agcggagctt cgcccgtttt   180
ccgnacccttt aaccctgctt gttcggggggg ggagngtgcc accnacccgg gngnggtggc   240
acggagatnt gaggggggagg gatggtttgc cntggccgct ngtgggtggg cgggcaggcg   300
ccggcattcc cggcaccttc ngaagacnga gccgggttca gggacnnaca ntccccgcca   360
agngggacca accgcttcgg gtgggttccc cggttgtntg gtgcccaggc cgnacgccgn   420
gacngaggga gacccaagga cntagantca ccggtgagcg ggccggcgcc ggagagcgga   480
aagaggagcg tagcacagcg cagntcggcc agacgttgtt cttntaccac ccaccgagcg   540
tttaaaaaaa anaaaaaaan cccgcggcag cggacttttt ttgtagcgga gcccgggcgn   600
gtcacttgcc ggaagtcccg cccntcgttt ctgccaccgc ccntcggtta cctgggcaac   660
ggcgcggggg cggagagtgg ntgcgcccaa gggcnttgtg ggggtggact caggcccggg   720
ttcccgatcc tngtagaatn ttntagaggc tttttcttta tgcgaggtac cagagggcgg   780
aagtcttgag gtggagaggt catgtcccag agccgtaagc cggggacgag tgctntcagg   840
cnntgtgcan ttgggatcct nnggnccacc ntgagggtcn tcacaaanga agcngncnag   900
taaaggagt                                                          909


<210> 26
<211> 576
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 576
<223> n = g, a, c or t(u)

<400> 26
ggcaccgggg taanangggg gggagtngtc ctgggnncct tgaacgctgg gggaggantg    60
gtnggggggct ccaaggggggn ngggggaganc tnaagntcnt caanntagag aggggggaagc   120
tccccactct acatctgttg tcggagcacc ccccaccca gagggcgctg tcagtcatag   180
actagagacc tcccctcaag tgnctcnatc cttccaatag acgagccctc ttgacgcctt   240
tttcagagaa ttctctaatc ctcgggtcac ttccgccccc ctgtcaagac ttcacatatg   300
tcctccacgc gaggggggtgt ctagaaccat cataagaatc tctctgtcct cgttctttcc   360
tgtgataaaa gccgcgggag nttcctttttg ggcgtctaga tctccgtgct gagtgtctcg   420
ggagagcgcg cgacatcgcg tgtgaanngc gacctgtctc cgcggagaat gggagtgtct   480
gtgtgcagat gtcatagtga gaaccaccg ataagggtga tagggtaaaa gatacttaaa   540
gggctatgaa gaaagtgggg aagggaggag gggaga                            576
```

```
<210> 27
<211> 853
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 853
<223> n = g, a, c or t(u)

<400> 27
aacncccctt ncggggggng gggaaaaana aaggggggtng gnggaannta aaccctagtt    60
taaaangggn tanangtntt taangggcna aaagnttggt ttnantccca ggngggtccc   120
tcctttgaan acccngaaaa attcatttnc agaggggttg gaagggggag ccgaaaagaa   180
accccaacna cttcgcaagt aacaangggc cnaagggagn cagccgcacc tttttccnc    240
cccgcccaaa ggccagccgc attcaccatg aacagataga ngtaggaggc aaacaattcc   300
agttaatntg gcggttgatg gcancttcgg attcttggtg gtatttctgg cgnatttgcg   360
agggagacgc ggtgttcatg atggcggctg ggngaggcgc ggaggcgacg ctggagcggc   420
ggagcgacga agttgcaaag gntcaggttc aaagcgnccg gcggggtcgg aggggtcgag   480
caccggttcc gttcaagcac tgttgaagca ggaaaccgcg gngantctgg gcgagaangt   540
ctggcgtagg gaccagcggg ccgcacttta tagcgggatc ntgcgtcagg cgcgntccgg   600
ccaatcagcg cggtgggccg cccagccccg cttnttcctg taggcgtgtt gcccaagcca   660
gcagtgcgtg ggcggggagg agcctgtgtg attgtgaggc gantcttggg gttatgagct   720
gntgcaagag cggtgcctgg caacaagcgg gacgtttntg tggcccgggg cggacgtagt   780
tggaaccagc cgtactacag aggcattctg ggtcccagag agtatcgata aggttgattt   840
ttaagtccca ccg                                                     853
```

```
<210> 28
<211> 825
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 825
<223> n = g, a, c or t(u)

<400> 28
ggnttncagg ggnacccccc ccccncttnn antttgtcca cgnaanattn nngccnnnna    60
aggangggn ngggaagttt nagggcaang aaaagggaaa agtttngttt ggacaaacct   120
tgaaaggggn tttatcgcaa nacnccgggg ggggggttttt ttgaaagaga aggggaaaag   180
attcggaanc ctgatttttt tggnttgagt naagnggggg angggnngna aaaattaaan   240
ggattccngn ggggggngact agtantttag gggggagaaa agggttttat aaggnccat    300
aaagttcagc ggaaagccgg ntccggggaa gaccacccat gngttttaat tagagtgcaa   360
cgggttgaag agcccaggaa gcccaganac tagggtgagt caccgngaaa ntaacagacc   420
ataaaaggaa ggatgcagaa cagaccaggg tacnantcac aggccacttg gcaggaagag   480
atagcccccca gccccngaat ncagagcccc aacctgccaa tgnggtagnt ataccttatt   540
acttcatcat gtgaatagcc aatcatatgt gaacatgtnt atgtgcttcg tttgaatcca   600
ccaatcccng taantatgat ntgttctgna cgccgnttn  tgttccccaa tccntataaa   660
agccccatgc tggagctgct gggcgcgcaa gtcntccgaa gagactgtgt gcccgcaggt   720
acctgtgttt tccaataaac cctcttgctg attgcatccg agtggactcg gctcggtcat   780
tgggcgcttg ggactcctcc tgagggaaag tcctctctgg ggtct                  825
```

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```
<210> 29
<211> 861
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 861
<223> n = g, a, c or t(u)

<400> 29
anngaaacat ncccnncnnn ttnatccttt nggaaaaggg cancccaaag gnnnggaacg      60
gatngaanaa ttctttcaaa aagaganatc ggangngnnat cgnnnnggtt ttcaagtccc     120
cccngagnan naaaattgag tcagtngggg gnaaccgacg nananaggaa caggtttccc     180
gggagtcctt gggtntcngt tcgaccccccg gaaaccgaac tnncgcnttt nnccttggga    240
gngggggattt ntaaaggnna ncgggngtat ttccattcgg ntagttgttn gttcaagggg    300
gntgccggac ggacccctt tnagccagac ngngnccta tccgnaaaan tgttggggtc      360
caacccggta agacagattt ntcgccantg ccagcagcca ntggtaacag gattagcaga    420
gagaggtatg tagacngtgn acagattaag gaagtggtgg cgtaagnacg gacacattag    480
naggacagta tgnggtatct gcnctcggtt gaagccagtt accttnggat aanganntgg    540
tagntttnga tcccggcaga caaaccaccg ttggnagcgg tggntccttt gnntgnaagc    600
agcagantan gcgcagaaaa aaaggatctc gagaagatcc tangatatnt tgttcggggt    660
cagacgctna anggtntgg natnntganc ggntgaccat agagcacagt antgnngatt    720
gcagtccgcc ccnaggacga naggagacca ggggcccang ctgnagtaac naatcaacta   780
ccctnacnag atgnancaga gagagagagn accgtatant nantgnaaga gaggtcccgg    840
tttcnagttc ccagnacgga a                                            861
```

```
<210> 30
<211> 149
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 149
<223> n = g, a, c or t(u)

<400> 30
attngaggag atccggttac taaggatata gaagaaaaaa ataaatcgtg tgcctgcctt      60
ttttttttta attgcctgct tctccccacc cccaaattaa gttgcttagc aaggggggaaa   120
gaggcttttc ctcccttcag taggtcagc                                      149
```

```
<210> 31
<211> 857
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 857
<223> n = g, a, c or t(u)
```

<400> 31

```
gatctggtct tgcccnggan gannntcnntn ccggggggn taaaaaagaa ttgntggngn      60
tgacnagggg gganaccccn taccgngggn cnancggaan tnttggncac cgnaaaaaat     120
ttccaggngn acangaacgg gtgcggnggg antagggga aangtttgga gtgngccaaa      180
acggaaaagn agacgnttgt angggttggg aaccagnacc ntggaaagan tgnagttctn     240
atcngcaaca accaccggag gtagggggtt ttttgtngca gcacagatan gcgcagaaaa     300
aaggatttca ggagatcctt tgattttat tcgggtanga cgttcangtn gnggggattg      360
ggagcggana accatttnna cacaggattn tatgaactat ggtcanttgc tttgttgtcc     420
angtcgttgt gggattgctg tttttagtag ctgcaaacgg ttcgttttnt gctatctttg     480
ttnngataaa tcagccccgg gcagangana ttcgaaagtt ccctttagga gcttatttan     540
acgggctcaa ngccaccggt ttcgtttttn taggcacgtt ctgcgcattt ttttttttttn     600
gnatntttgg atcgcgtttc gtgggatctt aaaaaccgtt ttctgtgatt ggcacgcaag     660
aaanactcat gagctggtcc ctgttgtgtc tctcaggacc aatcaaanac ccatttccaa     720
cggctttata atgtctggtt ctgtttgcac aggaagcgaa gtcacggctt gcacccgtga     780
agtctgggga ggttcagagc tgggaactgc ccagaggaag gggttcgggg ctacagccat     840
caatcttcca gttgtttt                                                   857
```

<210> 32
<211> 1630
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1630
<223> n = g, a, c or t(u)

<400> 32

```
cccccccccc ccccaaaaan aanaattacc nttttaccat tgnggttccc ngtccntgat      60
aaatttttaa ccnncntttt tccttaaaaa ancgnatcct gangggattt ccgttnaatg     120
gnnttaannc ttttngngaa tgttnacccc aatnttcccc tnaattttga gtnngataat     180
tgcttanagg catttggaaa tttaacggnc acctgaggtt gattggttgn tattnaacgg     240
acttngatnn gaggaaggcc cccaanattt tgttccattc cttntaagtt tgggacttgg     300
aaatcccgtt gtttagatct tgaccgtaat caggagtcag cgtagaggag gccccggaag     360
gagggcccag cgcggattcg cccgcggcag ggcggggacc aacagagggc cntcggggat     420
aggggagcgc cgccccgccn tcccggggaa ggacacattg cttgttagca ggaagccagc     480
cagacccgga ggaggccgct ccagcgttgg tgttgccggt ccggggctag cctgatccgg     540
gcagggtgag ttgagacgat cgggtgagct tgggccgggg acgccagcgt cttcagtcct     600
ggggattgtc ccaggagggc aaggagcttg gaggagggag gccgcacagc taggggagtc     660
aggtctgagt cccgagtgtg ctctaaagcc ggggcggtga gagtggcggc ccgcccgggg     720
ccgcgcagcg ngcagtctcc cccgcgtggg aagtggtaac ttaacgcaca gccacaggat     780
tcccggcctt tagctgctgg agggaggggtg gcttctcccg gaggagtctg ttgtgaaact     840
cggttggagg gcaccgtggg tgcgggcaag ggagagatgg ggtcgccctg aagaagtggg     900
gggctggagt agaaagtgga ctttgtgcaa acctcacccc agagtagtta gttaccaagg     960
ctggtttttt tttttttttt ttttgctca gacacaagga aaatttgact caatgttaaa     1020
atatgtaatt tggcaggaaa actttttttcc tagcctcctt gctaatatag ttggaacagg     1080
gggctcccaa gaggtataga gtcccccatt ttacaaaatg tggttcagtg ggactgtggc    1140
ccacccagtc gtgtatccat ggaagagtgg cttttatgga gaagttcatt ttccttaacc    1200
ttaaaaactg taaaggatct tgtgcttgag aatattgttg gccagcttta tagtcttcat    1260
ttataaaact atttagacta gagtgttata gattataggt cttcaagttt ccagtcacca    1320
gtccttggct ttttagtatg gaaatcacca gtaatggcaa tataacatcc ctgcttctgt    1380
ttcttagaag gctaaattac agtgtgttca aactccgtgt cattgcaaca ggttaaacta    1440
actttatacg taggacatca gggtattgac attctcatcc taaagtcagt ttgtctgttt    1500
ccagaggagg aactgaagca gtggttcttt aagtaactga ctcagggctt tcctgcctgg    1560
```

```
cgcgcctgcc aggcatagtg tagcattgta ctgcatcttc tttgaccagt ttccccaggt      1620
gaagagcctg                                                             1630
```

```
<210> 33
<211> 883
<212> DNA
<213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 883
<223> n = g, a, c or t(u)


<400> 33
aaaaattgta aggagttggg ggnatccccc ataattnaaa nagggaacaa nccntaaagg      60
gagggnnggg aanggccaan attggnttaa aaanagtang tttggttgat ccanacacaa      120
ggaatttgtt anaattttnn taatggaaat ngggcacttc aattgggang ataaaacccc      180
aggaagtgat accngggtta tcaagtnaaa cntgattctt ggngnngagg gaaaggatat      240
tgaatttgag tgagtgcagg tgaagtgaga cttgggagna caggtcatgc ccacccaagg      300
gaggagcaag ggntgggcag tgtaggtggt gnggtggtcc ttcctggggt gggcggggag      360
acagatgaga acgttattgg aggacaggca caagtgttac tgaaatgcaa atccctgtag      420
atntggaaaa gttctggntt caggcttgat gcttgggccg gcaactgtgn actttccctg      480
tacgttcagc ccccccaccc ttacggaagt tntcgtcact gagantagtg gctaatcaga      540
gtcttcaatg gacctgccaa tcagaaagga aggcgggctt ttccgggtgc ntaggtgtag      600
gattcgctca gtagttaagc agtcttaact ggttntggct gctgtgctct ctgtcctgcc      660
gttggattnt ntgaggcatg ttcaggcaag ctccaaagtt gcgacatggt gagcacaggg      720
gcaggggggg cgggcggacg ggcaggggac tgagcagtgg gagctggtgt ggtgggtctt      780
tcccggggct gagttggaat ccgcggctac ccgtgaggtc ttagccactc actagaccca      840
gcggcagttt ctgaataact ttccttgtag gggctgcaac tct                       883
```

```
<210> 34
<211> 913
<212> DNA
<213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 913
<223> n = g, a, c or t(u)
<400> 34
ttcccccna gaaaaatatt tttngggacc canaaaaaan ggtcccnggn cctgttttct       60
tccncccgna aanaacttcc ntttccntgg ggggntttaa naaaagaana tttcattggn      120
ggttttntcc naggggggga gacccenttn nccgcgggcc tttcgnaatt ttttggtcca      180
ccngtnaaag attttcccat ggcgcaccat gtacgggttg cgaggngtat taggcggnaa      240
cggttttttna gtgggcctaa tacggnanat aggaggacga tttgtnttgg tttgtngagc      300
cagtaccttn gnaaagagtt gtagttttga tccggcaacc aaccacngtt gtagcgnggt      360
tttttgttga agcagcanta acgcgcagaa aaaggatnt caggagatcc tttgattttt       420
cttcgggttc ngacgttatg ttgtgtggat tgtgagcgga taacaatttc acacagattc      480
cgatngtagt ccaatttgtt aaagacagga tatntttccc ttcaaagaaa acagaaaaat      540
acagaaacgt taattttcaa atctcnaatc tttcnttctc tcttcnntca ttcattcntt      600
cnttctttct tctttctttc tntctttctn nagaggaggc atgctagggt aacagtagct      660
cattttaaaa tctggcacct ggaattaatt tagggacaaa acacctttat gcaaaaaaaa      720
gtttatgttt ttccatggaa cacagtaaaa tcaaaattaa aagaatataa caaaggcttt      780
ggtgatttgg taggattttt tttttcctgg aggggaaaac agatgacttg gaaagtgtta      840
```

```
ggaacatatc aagccccagg gaaagaaaaa cgtttgattg gtattaatta aaacactgct    900
                                                                     913
aatatattct aat
```

```
        <210> 35
        <211> 320
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 320
        <223> n = g, a, c or t(u)

        <400> 35
tatgcaccca tgacacaaga tcacagaagt acaggcctgg accatggcag agtatacact     60
ggttgggtaa atgaagagga gagacagagt gggaagtcgg cttagtggat atggacttca    120
aatttgatga acaagcaatt caaatgagta tcgtgggctt gactggtatg aagacccgtt    180
tgcaaagcag tgntcataag agagaaaaga gagagagaga gagagagaga gagagagaga    240
gagaaagaga gagagtgtgt gttgttgttg ttgttgttgt tgtttattgg tttataacaa    300
                                                                     320
gatntacntt tggtaacttt
```

```
        <210> 36
        <211> 389
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 389
        <223> n = g, a, c or t(u)

        <400> 36
ggggggggngc naaaagggtc tttctttttna naaaaatcnn gganggaggc cncnanacgg     60
ctnttanann tnttcngggt gtncctcncc gntgtgggga atganatntc gntctcgaca    120
tcaggggatt ggagattntc tgngctcncc nctcacnacc cagaagaagc gcacagagan    180
cagagtanca catcatacac acctnttcag ctacagagcg antnctctan aaggggactc    240
gggggganaac acaaccctcc tcctcttctg actgngagng ccgcntgtag gntctgtcta    300
cccancaagn cttgtgcagn ntgngaacct ctctntgggg tagagtgtgt tgngggagca    360
                                                                     389
gggcgtantg ttccaggnct agncttttca
```

```
        <210> 37
        <211> 882
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 882
        <223> n = g, a, c or t(u)

        <400> 37
agnaacgcgg ncggnggnnc tcnccongcg gagcnggncc nccccconngn ncccagaana     60
gnagcgctcg gngannnccc acgngnagac nnnggctgcc ccncgngncc anggcnttnn    120
nccnnccccc cgnatccggn ncncccccc ctccctnggg gngcgggggt cccngngccg    180
```

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```
nggngatacc nggcganncn ttgtgccccc gcnnggggg naggaccccc ggcaccggcc     240
cngacccana ncagnngctt ngtgggggc cccccgcca nagaacgaat tncgccnccg      300
gccgcggcca tcggaacncn cctagcagng cgtcntgcta ggcnggnnna cgggnatccg    360
caanccncc cttngtaccg ggacagccgn gggnccgtat gggctgngcg ntnggccgta     420
gccanntncc tttngaaang acncggnagc tnttcatccg cctcacaaac cncnggggncn   480
gnggggctn tntcntgngc cgcccgccgc gtgngcgcan aaaaaaaaa aanncggccn      540
tccnccctc ttttggccng ggtnccccgc ncaccccgtg ccgagtnccn nnccccccac     600
aacctcacac cgatcccngt gggttcccnn ngggagtcgc ncgngcnnag cnggnttctc    660
cccatnncgc gnngcttnag cgngccnnnn cacngtttgt nngngnntgc ctccccttcn    720
tccttgaggc aaaagcccgn acngtntctg tggaccacnn tgctgaggng ctgggcgccn    780
cgntctctct ctctctcnct ctctctctct ctctatctct ctttctctct ctggggcccc   840
tcccttgntg nngccanaag nnngcnnacc cgtaaagtaa gt                       882
```

<210> 38
<211> 975
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 975
<223> n = g, a, c or t(u)

<400> 38
```
aatttngnca ataanggccc ttcccctgag tgnggggganc ncncntgttc anaaggtacg   60
tttagcgngg ttctcnagtt natggtaacc nagtacttaa ttggcncnct tgataaatgc    120
tngatcctna naatttcaac aaccgcagga ccatttttga acttggcggn ngtttaccct    180
tnatgnnctt tccnnaaaat ggcttccttt gncatcnaat agtgntgccc ctaaccccctn   240
ggttccggag gatgcatnng tggntgtgng tttgnccttg agcatgcngt tccgtnacgg    300
gancaagntt ntcaatgttc cntcacncca tacttnggct tggggtacaa nttgtatatc    360
ttcgggatta tatnagttta tgtctgnttt tcataaaatc acttgtggat ttggctttaa    420
ngttaggaca acttnccaca gtttcttgga tctccntcaa catgttaacg ccattttgtt    480
cttgtatact aaagtgacat gtcnttntng acactaacaa tcacaaatta ggagtaccaa    540
tcaactttga gaaaatttaa aagatgcccc atctcttgta tcagcaagta ttcagccagg    600
atttaattct ttatgtaaaa attagcaagc atttctatnt cattcacgtg caaattttct    660
ttgattgtta attaagattg aagtgatatg tatggcccaa ataagtctca ctttaaaaaa    720
tatttcttta tgaattatta tccatgaatg tttgatctgt atagctattt tatataagta    780
tatgcaagga ttgctaaaac aatttttgag tgaaaaaaga tcctaggtag aaaatgttta    840
agactaccta taccgtcatt aaaaactcct caccagcatt tactatggtt ggactttcag    900

agatctcaat caactctttc ccacccagtc tactgaaagn ttccacctgt agcggcccaa    960
gcaaactgag atntt                                                     975
```

<210> 39
<211> 850
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 850
<223> n = g, a, c or t(u)

```
<400> 39
gggggaaaccc acggtnaagg gnnggananaac naggtanctn tttctccggg ttccaanaat        60
ngaangcctt ccngagggcc ngaaaancat tncttcngga gccgttcaag ccagnaggtg       120
ggtttcaaac aatgcttaag ttgtggggag aacnagncag tccgttccng acccngttta·      180
tcntaaagga gacggnggtt aaaggttagg gggttngaca gtcctgctgg tgttcaagga       240
ggaggagaca agttgncatc caggngngca ggaanacctg ttaaattcct gaccnaccgg       300
atgnttggag agcnaaggcg gattcttccg gcagtggcca gatttcaacc caggtcccgc       360
ccngcttttc ttggttaggc aagcaggcct tagtccgnga ggacgcccct tggtggccag       420
ggtatcacgg cccccctngg gtttccattt gcagtttgta ttggaccatg gatcactgct       480
tccttntgcc ggaagttcca gattccaaac tgtgngantc ccatntgcaa ctcccatgtt       540
tgccgntggg acttttttnta atatcntggt acccgcttcc catttcccca ccccntgnt       600
ccctcggga ggaatcaccg cccagtgtgt cacttcctgt aggnacttcc aaggntagat       660
gagtgagtgg caggcctcac nttggcccag ttantcagtg cccacagagt agcttttttg       720
agacgntagt aaggtcttag gggaaggaat gtagtcgatc cttctccttg gtggccctca       780
gcactgtgag tagaccccac acatcagggc tgtgtcgtta ggatctctgg gagggttgaa       840
agtttcgagg                                                             850
```

```
<210> 40
<211> 889
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 889
<223> n = g, a, c or t(u)
```

```
<400> 40
ggggtttcca aaaatttggg gntttggana aaccttcggg gaataaaaca acngnnnaaa        60
attaaggggg gccgggggaa aaaggagatt nattaaancn ccacccgaat tnaaacnccc       120
nccgggaccg naaccgtttt tggccnaaan ncgagaagtg ccttccnggc aaagtagggg       180
accaaaggtn ggggagaga attggggttt gtncagngtt ccggttcnac ggaaggagcc       240
ggttgttggg attgtttcca aggagngngt ttgngaccgg agcacctcng gggngaccat       300
ggggnttgcc tgttagagac cngcgngatg ttttgggttc gnattcgggg agggatttcg       360
ggggcctcag acnggggagg agtcccntgc gttcccnatg ggaccggttg tcgggcgggt       420
gcagtttcgc tgctgtcctt tggcaatgng cntgggnatt ngtgggcaga ngagattccc       480
cngcccccgc natttccccn gttccagttc ntaggnacca gaggtttttcc gcagtgtgat       540
tcagggagnt agantntagc gtctgtnttn tntgcgtttt cccccttcatg attctcagtt       600
atttttttagg agaaaaggtg cgtggaaaca gagcgtccct gttccgtgct gtttctcnta       660
gcccaaaata cagatttaat tctgaagcca tcgacccca tatccacttc ccgccctctc       720
ataaacgtgt aatatggctt gcttttttcct tgtaacgttt catccaacca tagtggtagc       780
ggccacctgg catcttgagg tgggttgcga atgagtgaat gaatgagtga gtgaatgaat       840
gaatgaatga atgaatgaag caagcttcag ggagattttc agagaagtg                  889
```

```
<210> 41
<211> 929
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 929
<223> n = g, a, c or t(u)
```

```
    <400> 41
aatgcccntn agggggnnttt ccccgnattt naaaatgggn tncnngnttc caaagtttcc      60
taaaaatttn cantttccgt ttttaccngg tttatggttt ncagcctact cctgttcgan     120
ttccaaatcg gtttaantgg ncccnccgaa ncnttntttn tttggcagaa ggtgaanttc     180
nttggggccc ttgtttaagg gttttnagcc ttaaattgnt tgntnagnnt ctccntaatt     240
agttcattcc tttgaccatc ttttgnccct ccatcttgta aacanttaag tctattgcat     300
tccacttttnc tntcagttnc cgtttnaccc tcctnagcag aacccgnttc tcagctntgg     360
atggttccaa anggtttccc aacctatgct caataccaca ggcagcttgc aggaggggaga     420
antggtatgt atttaacagc attttgaccc aaactttttag gagcagagag gactttaccc     480
aggacaggaa ggcaaaagac ttgaatctta aacaaaggat taagaacagg atgtcatctg     540
tgagcctgtc acagtgggtt tgcagagcag gagaacacag acaggattag ctataaagtt     600
gttacattag ttattntatt ggagcataca atacttaaat agttctaggg caagagaaat     660
gaacagaaat gaccttataa gagccagagc tgtagccaca gctttctttg tgcttagttt     720
gctagttcac tctttccagg gcagtctggt ggattacacc aaattgctta gaaaatgcta     780
gctctactgt ccctgtctat tgtcagcttt gcaatgtgca tagtgacagg agttgcctgg     840
gaagcttggg gcttatgttt tgcagatcca ttgtaattaa aaaagaattg taaggagatg     900
gaggcacggg gtgagggtga gggtgagtg                                        929
```

```
    <210> 42
    <211> 943
    <212> DNA
    <213> Rattus norvegicus

    <220>
    <221> misc_feature
    <222> 1- 943
    <223> n = g, a, c or t(u)

    <400> 42
ttggaaaccc caacctggaa aangngtntt nccgggaaat tcaacctgcg ggcnaatggt      60
gtaaaagggc ctaccttggc ttngaaggga atntcctgaa ggnnnaatcc caannttgtg     120
natcccaatt aaggntnaac nggtttaatt tgtnntccnc ntaccnaccn ggtttnccgt     180
tatactaaag ggctaacaat taaatgctca naagggaccc ccaatcctng gcnagaactt     240
gggttaaggn ttccattagg atttgccatc ctntaccgtg atcctgaaca tntnttgaac     300
tgntttgcca aggaacngaa ggttttncct naagntagca cacagcagng accaaggatt     360
ggaacccagc nagtgcttgg aggtaaaaga tcacttccnt ntcccttagt caggancntt     420
agggagtgga ggcatcaccc acacattccc cagtttgnac gtaggtttca gccagcaanc     480
cgtccactaa agctgcctcc aattcaaact ggattgagtg acaagtggct tgggtgtctc     540
tcaaagattt ataggtggca atggccactc ctctgtgtaa ttaccctnta tgcacgtctt     600
tttnttctct cccactccat cccccacccc tctttgtttc ttcntccntt cctntccctc     660
ctgttgactt tttctctccc tgcaaacagt tccaggcacc gnttagcatn tgccactctg     720
gctntagaaa gctttgcttc ccctctgctc cctggctggc tggaactcag cctccggtgt     780
gggcagactg gctcatcctc tgtgtttctc tgagtgtgga ctgctgcctt ccacacagac     840
tctctgaagt caaggagccg caccagcact tcagttgtgg gccataatca agncangact     900
gaaagttgcc acctgtagng gccgcaagca aactgagatn ttg                        943
```

```
    <210> 43
    <211> 867
    <212> DNA
    <213> Rattus norvegicus
```

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```
<220>
<221> misc_feature
<222> 1- 867
<223> n = g, a, c or t(u)

<400> 43
aggaaaccnt tttaaaaaaa aggggggggg gggggggggn ntagnggcaa aaaagatgan       60
accctcaagn cggggggggt taaanaagga atcggattcg ggctttgnac aaataaagga      120
gttttgngng nattttcccc ntggtcgttt tntgnacgat ccacggttga ccgacgacgn      180
acggaccgac aaccaanacg taaaggggaa ttgtggaggg gttggaagtt tagatgcccc      240
gacccaggac gtgcggccan cttccggaga cccacctttc ttgtnggccg ggnccggcgg      300
cagcgnagcc atttccaccg gatccctata gcnggccagc ctagcaggcn gaacaccagc      360
gggaagttga ntnggacctc ggagagcgcc cgcccttccg gcggaagtnc taattccaaa      420
gcggcccgcg gcngagtttc ccatacaggt tggttccgtc tcggagtgac gtggcttgaa      480
ggacggtctt cgcgcgagaa gagtaccctg cctttcaggt gcgggagtta cntcagcctg      540
ctgcacaccc ggctgtgcgc antcttctgg tgtggccggg acggttcacc cagaggagtc      600
tctgtagttc ggagcaagat gtcggttaaa tctggcagga aaatgccttc tatgctcatn      660
tatatattcc tgcttccctc agcttgcttt cgacttagta aggtaacatt tcagagcggt      720
gcacttagta cttttttggca ctgtgctgta taaatataaa tgttccacac ttaacatctt      780
agatgttata tctaaagata tgcatcttta aacttcgaaa gcgcatacccc taaaatttca      840
tatttttgca tacattggtc agctgtg                                         867
```

```
<210> 44
<211> 303
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 303
<223> n = g, a, c or t(u)

<400> 44
ggaaatgatt agtccaagaa atatttgagc agaagggagt tagggttttc aaattaggaa       60
agtggaatcc acagagttcc cttgacagag aatataaaaa ggactctggg gtgtcagaat      120
ggtgggcatt aacctgatct tccacttgag ggtaagggaa atgattagtc caagaaatat      180
ttgagcagaa gggagttagg gttttcaaat taggaaagtg gaatccacag agttcccttg      240
acagagaata taaaaaggac tctggggtgt cagaatggtg ggcattaacc tgatcttcca      300
ctt                                                                  303
```

```
<210> 45
<211> 840
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 840
<223> n = g, a, c or t(u)

<400> 45
aaaccggnng aanaaaaaan gaaanngang gcnnnaaaaa agttnngaca gaaaaaactt       60
tnggaaaaaa ggangggan aaggcaggng nccnactnaa aanggncttt tcnaagngng      120
anagagntgg naatnagnaa naggacattc ttnnaacctc cnanggnggn nggaannaat      180
```

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```
ngggattgag cngccaccat tagggangaa gttngaattn ngggggcccgn gngagttaaa      240
angattcccn ggttttttaa aacagagaat acctncaggn acagatnaac ccgagattgg      300
ttccctngaa aattnnngan aaagataaan gtaggagcat tcaaagtagn anggtaaaan      360
taatgggaga catagacacc aaaaaaagcc agttcagtgg gccccgaagg ngcattaagg      420
gaggaccagg aaacggcagc anagccacng gcagccgcct gccccnacac cagtnattcc      480
cgcacntaga tccaggcgnt ggggcggggg cggggcgcgc ntgngcagng aagntnngcg      540
gcaacaantt tgcntagacc ggntggaacc ggttagaacc ggccgcgccg gaccggccgc      600
ccgttccgga ttntgcgttc acaaagggag gcgggactca cgacntgngt atcnttgngg      660
tcccaacccc ggcccccnac cccnacccc nttgtccctg tggcattcgc gttctttccg      720
ccgtctccct cgcgggccgn ttntctgcgc ctggtgatcc tttcgccatg gtcctntgga      780
gaaagaaaaa atctttaatt tnctagggac gtccttttcc tgtagtcgta attgtagaaa      840
```

<210> 46
<211> 893
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 893
<223> n = g, a, c or t(u)

<400> 46
```
gagaaggann aggnggggng agngaagana gaggagggaa gaaangaagg tggaganaag       60
tggannaaaa agagggagan ggagggagaa ntaaaganag ganaagagng gggaggaggg      120
gnagnatagg agaggaaaga aagganggan agaagagaaa agaanganga gagaaaggaa      180
agaggaaaga aagaggggag aagaggaaga aanagaggag gggangagag ggaggataag      240
agaggaaaga gggagaaagg nttgaaaagg gaaagagaag gagaaaggna gnaggngngg      300
aagagaggna agggagaggg gganaanggt aaggggggaa agaangagaa gtatnggggg      360
aaaggaggag angaaagaag aaagaganga ggaggagagg gagagtgagg aataaagggg      420
agggaaaagg angagaaaga gagagaggga gagggaagaa nagagaagga tagnggggtg      480
gagaaggaga aaggagagaa ggagaaggng agaggagaan tgaagaagga gggagtaaga      540
aaggantgag naggaaagga ganagagagg tagagagaaa anaaagaggg aaanggaggg      600
gaggagggng nanaaggaat agagggngga aanangagag aggggaaang gggaaggaaa      660
ggaggaaaaa aagnagagaa gaagagnaat gggaaggang nagtagnaaa agaaaagnag      720
aggggagagg gggangangg ggganacggg ggggaanaga aaaagtgaag gaggcccccc      780
naccccccc ccccacacac acacacagcc ttttcgccgg cggaagtgca ggttggtcca      840
ggagcctgtg gtcaatccag tcagtagtgg gcgaggtgta acatctgtgt ccg            893
```

<210> 47
<211> 789
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 789
<223> n = g, a, c or t(u)

<400> 47
```
taaaananng gnngannanc tnnaaaaaan tntcttngga attnncagga nggaggntaa       60
tngggcgggc ancatcaatg gtanaaattt gggggggnng annaaaatca tnaanncaac      120
cgtttccana gncaaccatt ctgggngncc caaggttnga ngagntccgn tcaaggngaa      180
```

24

```
acctttttcaa gaccaattaa ctaggggatn agaggcgggn tggttnntga ggggcgggct   240
gctgagaaga ttcgttgggg gacccaggag tgaaggtttt tnacctgtgt ntntcgggaa   300
ggtcggatnt attatantcc tgctgttgga ggagttcggt ggttcaaggg ccggacccgg   360
agcgtttact ttttnttgnc cgcagccaat ttgttntgct tggtttcttc ngaatcccgg   420
ggcggggagg gggaagcggg gggcccaatc accacgatcc cggcagccac cgcgaaattg   480
ttccggcagn tacgantctt caacaagagc cagagaaggc gggtgcagag nttcattagg   540
acgntcggaa acccggcgtg acttactttn tccaagccca ttggttgatg agaatgatga   600
ctgacaggga ggcgtggtca cgctgtcgcg ggcgggagcg acgggtggag ttaacgacga   660
aagctgcgcg cgcagccatg acccctcaca gccacntatc ggagggaggg gcgggacagc   720
tttagcttgg tgcgtgcgca gccggacgtg aggcagttgg tggtcttcca tcgtcgattt   780
ctggttacc                                                            789
```

        <210> 48
        <211> 872
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 872
        <223> n = g, a, c or t(u)

        <400> 48
```
ggggggnggct ttttnggag gcatanatng gggnnngtcc ggnaaacccc attggtcggc   60
cggggaagga aaangggggct ctnaaaatan gttantggga tggngcctta agggggggcc   120
catgngccag gaangcagat tcaaaaatgt tccaagtgga aaaccanggt tggnanaggc   180
cctccnggnc gtnaaggagg agaggagaga tggagtttca ggtgtgtttc ccacccagtg   240
ttcccaggga acacaaaacg gataggtcac cntcaatgna caaggaatta aaagcttggg   300
tgtatnggga ggcctgcttc caaagccacc agaaaatccg gagagccggn ggatcntacn   360
cacccagagg ttcataggga gggcantatt aggggtgtgc ccttgtgaga ggaagtgtgg   420
cacngtgggg ctgggtttga gatntcagat gntcaagcca ggcccattnt ntctctctca   480
gtntctctcg gtctcttttct cngtctctnt tcagtctntt cagtctctct cagactctct   540
ctctctctct ctctctctnt ctctctctct ctctctctct ctctcccngc tgcnttcaga   600
tatagacgta gaantctcnt ntatccagca ccatgtctgc ntgcatgctg ccattnttcc   660
caccangacg ataataggct aaacttntga actctaagcc agcctcaatt aaatttntan   720
gagtcaaacc agcctcaatt aaatgttttc atttctatga gtcacagtgg tcatggcatt   780
tctttacagc aatagaaacc ctaactaaga cttgccgaaa cctcaaccac aacttcagcc   840
ctcagaagcc caagagggaa aagaccttga at                                  872
```

        <210> 49
        <211> 785
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 785
        <223> n = g, a, c or t(u)

        <400> 49
```
tcgtaanttt tnatccaccn gtanangatn ttccatgcca ccatgtacgg ttacgaggng   60
tatagcgtgn acngttttgg agtgngctaa aaggaaatgg agacntattg tnttggtttt   120
gtgacccata acttcggaaa ggttgtgttt tatccggcaa caaccacngt gtagcggtgt   180
```

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```
ttttttgttttg cagcagcaga taacgcgcag aaaaaggatn tcaggagatc ctttgattttt    240
ttnttcgggt tctgacgntc atgttgtgtg gaattgtgag cggataacaa tttcacacag       300
aattcaaagg agaggagcca atatagaggg ggaaaaaaaa agaaggggaa agcattagtt        360
taaaaagttg agagaacaaa gtatgttttg cttggatggg caaccaaaga agcntgccag        420
gaatggtcgg taaaaggtgt aagagtcatg aaacgtcttc tgtccaaccg ttaccggaaa        480
catgcaagga atttcttaga ctggccagga ttggattgtg ggaaaggtct cttcaagcnt        540
cccccttggct tttatggcaa gaaaatagtg cggactatag agagcgtcgt tctcaaagct      600
tgtccccaat agcagaaaag cattgtccta aattccttaa aaggcaccgt gaaataaata       660
ttacgaggac acgatggcac aagaaggagc tttcaactct gccaccagaa cagttatact       720
tcatagtaac catgttgccc tgttcaatga caaggcacgc tctccagcag aaagggaaaa       780
ggagc                                                                    785
```

```
          <210> 50
          <211> 889
          <212> DNA
          <213> Rattus norvegicus

          <220>
          <221> misc_feature
          <222> 1- 889
          <223> n = g, a, c or t(u)

          <400> 50
nttnnaaagc ganccggccn gggnggtttg gncggcgctt tatacnaagn cgngccaatn         60
ggctttgggn gggntttcat anggnnntgn tttacccaat tcagtttttt attggtnttt        120
natgggcgca gggatagngn gttcnggntt cccacangaa tttgatttnt ggaatcacaa        180
gtnaccagtn gccgnaatca cgagtttgcc gctttntttc ctaccttana ttcataatan        240
gaatgagtan tttttttta ttgagnaang ttttnacagg tttagtaaac atgaggacag         300
aggtttttaag ttgangatta ggaaggagag ttccggggga cagaatgtgt gtattntcag      360
tcagtgcact acccggaaga gttgcagtca ggttgaggaa gggagcggat ttcctggagg       420
ttttaaccaa cagagagaaa aagcatttac tactgattaa gcacacaatc tctggattca       480
gagaagggtg tttacctttta tataaatgt ctcctaactg cgtgactgtg tgactttgtt       540
gaagtcaact gagcactgac tgtgttgtgt gcaacatggt aagaggacca actttnttct       600
taaatttttat ttattattta tgtcacgtgn acacttgttg cttttgtttt tgttctaatt      660
ttatctgcat atatgtctgc ataccacgtg catttctgat gcntacagat gccagaaaag        720
gacaccgagt ttccctggg antggagtta tagatggtta taagtctctg agtaggtact         780
gggaagtgaa cttcagtttc ctctggaagg gcagaaagcg cttttcaaat gctgggccat        840
gtatttcagc ccctacttaa tttataattt tattttagag gatgtgctc                    889
```

```
          <210> 51
          <211> 947
          <212> DNA
          <213> Rattus norvegicus

          <220>
          <221> misc_feature
          <222> 1- 947
          <223> n = g, a, c or t(u)

          <400> 51
anaaaaatng agaagangag accccagaga agaagnanga gaganaacag agaagaagag         60
agnaagggng anaaantaga gaaaggaaaa gntcttaaag aggcnanaaa ntancnatnn        120
aaggagaaga nggaaggnta acataggagn caagaatana aaganaaaaa gaggtagaga        180
```

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```
anncagagaa  cgagaaaaga  tgaaanaaag  antanaangg  aagaaagang  nccagnanaa    240
anaaggcaga  aanaagatgn  cgtaaaanaa  gagagaagat  aggnaaaata  gaggagaagg    300
ccnaacagga  ngggaagagc  agcgaattnn  agataaaacc  ggagganagn  nagagaaggn    360
agagntngnn  aaggcaaaga  cagnanngag  nacggtacnt  gccccagaag  gnngaagaan    420
gncnagangg  tgagggnngg  cacngnccnt  tccccttagg  aggncgcccg  cccagagatc    480
aggtttcnag  gncaccgagt  tggatacnag  attatncacc  naggcaggaa  angantatng    540
caaaangatt  cggggngggg  tcacggggtg  agaaataaan  tcannaaana  gaggacgngg    600
aggagggngg  gaaactctng  acagaaatng  caagcangaa  gccagccnca  cccaagcccc    660
nacngaagca  gcngagangt  tgcanggcgg  naggtccaaa  tcancgnagt  catggagnga    720
gcttcgggng  ggcccnganc  cantgaggaa  gggcaggaaa  ccatatcnag  ccgagccnng    780
nganggntgc  cctganacac  ccggagaggt  aattttatt   tnacgggaag  cgtccagnca    840
agttcgtggg  ccggaagaga  cggtacttta  gtatacancg  ctnntgctnc  gagttgtnng    900
nccttntnat  gnnagatctc  acaaangaag  ctnanaagta  gatatgt                   947
```

```
        <210> 52
        <211> 860
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 860
        <223> n = g, a, c or t(u)


        <400> 52
aagggaattt  ttaccccggt  tnccttttgn  cngggggggna aaaaaannaa  aaaataattt     60
tttaaaatta  aaggggnggg  angttttcc   ggttctattn  ngccnattcg  gggttacact    120
tttatccanc  ntttgntttt  ttanccggcc  gggttaaaaa  tggggggggga ttagttcggg    180
taggngttnc  cnacagcaca  gccctgtttn  tcttcgttcc  ngaaaaaaaa  aaattttgct    240
ggtntcacaa  ttttntttaaa caggatttnc  ttcaaccatg  gattaataca  tttccggtgc    300
agnttgcccg  gtttgttttt  tggntggata  gggatgccag  caggattcag  ggatgcccat    360
tgtgnttagt  ntctggccct  ttaggagagc  tttgggctaa  ttatgtgacc  gattttaaga    420
agtggtgttg  ttgtggttcc  agggactcac  ggatcagcct  ttattttata  aggacactgt    480
ggaggagaga  cagaggctga  gctgcattct  gatgtcattt  gtgctgctgt  ggaagttaaa    540
gaaaagctgc  agaagtcagc  aaaacagatg  aataccaaga  agggcagtgt  gagtacagga    600
atggagagaa  aagtcagagt  ccagctttgg  ttaactccct  aggatcagac  anttctgcgt    660
aaggacgggt  ctacagttta  acagaccaca  gagcaangtc  aaacagcaaa  gtggtttcat    720
ggcaggcagg  aaatggaaca  tttaactgga  aacactgaac  ccacccatgg  caaacttagc    780
aatgaagctg  ggtgtggtgg  cacatgcctt  taattccaac  actcagggga  cagatntaat    840
gagtttgagg  ctagactggt                                                   860
```

```
        <210> 53
        <211> 191
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 191
        <223> n = g, a, c or t(u)
```

```
<400> 53
aggtctgacc acttggaagc ttgccctgan tcatagatga gccactgtct tcttcccctc    60
aattcctcag gatggggaac agccattggg cttttagtag aggagggaca ggcccttttg   120
cagcaacagt tctcccctga atgttggatc tccacctata cacatggggt acttagcctt   180
atggatgccc c                                                        191


        <210> 54
        <211> 988
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 988
        <223> n = g, a, c or t(u)

        <400> 54
ttnttggnna cgggtntccg nantatgaan ccnttcccgg ggttttttaaa aancccngga    60
tattcgggga tttgggtttt nnacggcctt tttttnagag gccaaatncc cntntnaang   120
cctttatcc ttccntttnt gccccncttc naattaggaa gcntggtttg nccgantntt   180
aaggtttta gtcntccttc gttnntnttt cccttntttt ttccctnaag ttataaagcn   240
ggtatntggt ttgccaggnt tctnttgtac ccgtcatngc gggttncggn ttacccaggn   300
tttgttcctn ggccggtncc ttccaatttt ggantntccn ggtcnggngt ccnattncct   360
tgnaacngtt ccacacntna tgacaattaa ttgtttcctg tgtaatttgt ccccggactt   420
ntggattctt gngancaggg cctntgtttc atggaagcaa actcccttaa ntatttacca   480
ggttgattga ttaagaaagt antcatgntt gggaaaccca cntgtttttnt tcccaggatg   540
gaancccagg attttggaac tgcagaggct tcagggtctg ggaagcggag gcaggcaaag   600
aatggagtgc actgtccttt tgcaatatgg ggtttgcctg cctgctggct cctctcntgc   660
tntctcagat ggtgactgag gctacttcag caggactagg aataatcatg tccaggtggc   720
tgcccttccg agcagaaagg gacagacgtg gggcgatgaa gttgctatcg tttttttttt   780
tttctgcaca gactgcaaag tgtgcagagg gagggaggct gtgcaaaaaa aaaaaaaaaa   840
aaaaaaaaaa aaaaaaccga ggacgcagaa gttagactgc tgacccattt ggtgcatgtg   900
tgcccatgga gggagggac cttctcaaaa gggttcacgc agcangcatt gaaagtnccc   960
cacntgtagg gncgcaagca actgagat                                       988


        <210> 55
        <211> 665
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 665
        <223> n = g, a, c or t(u)

        <400> 55
gaaaaagatt caggaanctt atttttntcg gttcgacttc agtnggggaa tgggcggana    60
catttcacac ggatttgtaa anacngtnac ngaaacttgg nggttcgtag atccactttt   120
ttnagacctg agagtagttt ttaaaatatt tnaattaaag gtttcctgca cccacttttt   180
tttttatccc taactttca tccagtatgg ttttttcaata tcacanttta atctaggact   240
ccttgcttaa agcaattaca agttaaatta aaagtaagag atggctnata gctctcatta   300
ctgggatgca ggtgtgaaac aagtgatttg tgtagaagct ggcaggatgg gtataaacaa   360
gaacacgtgc ccagaggatg tattgaaagt tggatttaag tctctgagta gtttatgcta   420
ggcggtagca ttgaacaaga tgaantctct gntcatagag gtagaaactn cccagattct   480
```

```
gaggaagtgt gagggagagc attagatgtt actgttgggg atttgggaag gccaggaaac    540
gttactccat gcccaaggag ggtaggagaa aggtttgggc ttagctttga ggacggaggg    600
aactggtggg tggatatgag gatggttatg ctaaaagcag agtggttttc aactattgtt    660
cttct                                                                 665
```

```
        <210> 56
        <211> 857
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 857
        <223> n = g, a, c or t(u)

        <400> 56
aaaaaaagaa aggaaagggg aganaaaaa annangngan aaaanagana ganagaggna    60
agaggaagng agggngaaaa gagaggagan aaanaagagg aaggagaann gaggaaaang    120
aaaggaacaa aaganaagng anggaagana aagggagaaa aaanaagagg gagaaangga    180
ggagggaaan agagaanaga gggggagaga anncagagaa nagaanngag aaaaggngga    240
gacnaanana gagggaagaa aagngaggag aagagagggg agaanaaant tgaagaagaa    300
gaagangaga agangagnag aggaaganga ggggaagaag aagaggngga ggagaagaag    360
aggagaggag gaggaaggag aaggaggagg aagagaagga ggaggaagag gagaggagaa    420
ggaggaggat actanggagg ttgtttcaat aaaagagngg gatntaagat taananaagn    480
aataatgccg gtttntatct gttcggggggg ggtccttgtt ctccaaacac aganntgggc    540
cagtttntca aaattnaant gngaagattt cttggntnga gagcagntca gattnantng    600
nattnttttc tagttttnaa cacaancttt gtgntaacaa agagngangia ttcnaggana    660
actcgntttt ntttgggagg agactttgtt cctttcnatg aagatgcagg acgnggaaga    720
cgcagggtgt gaacaggaca cagnnacgct tnngtntntg tcngcntcag cngcgtggga    780
atgagtcaga gcagcacggg gaggtgcctg gatntaagct ttctggtagg gagaacagag    840
tgcaggcngc ggcccag                                                    857
```

```
        <210> 57
        <211> 902
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 902
        <223> n = g, a, c or t(u)

        <400> 57
aaaggggggng ggaagaanga aaagggnaaa cnttngtttg gaagccnnca nnaaagnaan    60
gncgaattta anaaggggggt agggaaaaaa aaaacanaat attccntcct tagccatnaa    120
ccgaacttcc ngcaaggaaa aaaaatttgg ngggngtaaa gggcaccncn tcccacaaaa    180
ttttgntaan tttgggcgca aattcangca ggntttngtt ggaaaggngn ananaccaaa    240
gggatttngg ggatttnaaa atcngngttt nnggcaggnn atccngaagt tngaatcgga    300
cgncnaccct ttatttnagc agttatttan gggaacatgg gagggnacca tttcaaacca    360
nggatcgggc cnggagtntg agtgttcagc ccacngcctt cnaacantac cgggataagt    420
ttttccctgn gccagagacc catccangtt ccagcaaaag gntggtcatc tngggcnagc    480
tccnngagtc atcnngggtt tctcccagcc ngggggccaat ggtcgaaggc aggttntttt    540
tgtctccagc ttgttcccna ccgnggggagc ctgtcaaggc tgcacagnac cagantagtg    600
gtcatntcng gctagctccn ttagctccnt gtccagggga cttcctggca ctggattagt    660
```

```
ggnggactca ggcttgcttt tttttcagga gaggttagat tactaatcat tcagatgttc    720
ataagtcaga acactgagca aagcaatagn ttctcctcca cntactgant cacacgtgca    780
caacagccac acccgcaatg cttntaggag caggtccagn gnacttttgt tttaactatt    840
tntggctctt tattaatcag cacataaata cgcttcgttt ctcctttttc aatatgnatg    900
tg                                                                    902
```

```
        <210> 58
        <211> 852
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 852
        <223> n = g, a, c or t(u)


        <400> 58
acagagggg gggggngtg gaattttngg naggangttn tnggaaggcc nctaaaaaag    60
aaatgttccc agaccaaaag ggggggggna gtnnaattca nggatcctna ngaggnggaa    120
attttttnnnn tattnaggat caggataaat angaaaangg gnanattttn nnnangnggg    180
tttttttttt ttttttttttt tttttnngng gnnnnannan annnnnaaat ggcgncgggc    240
atggntaatg gggaanttgg gganaattac agagatttnt ttttcccatg ggnttccagg    300
atgaattcag ntaccaacca ggttggtacc agcattttaa cattcgagtt agacatcaat    360
ggttaggtcg ggagtgagag gttcggggcc ngacatatat tcntggtgaa cccagtgcac    420
cttntggttt ntacaaggag cttgaggtag tcgcccacca gtagctgtca ggcaggtggc    480
ttaagttcag aaccgnttcg tggaacccga gaagcagaaa aagacataag ttntgcngct    540
tcanaatcca ctcntgaata cananatctc ggccaaagaa gcacagccag tctttccgtt    600
nacangaggc cgggagcaac aantccacag ccagcccaag ganatacaaa ggacttgggt    660
cagttctgna ccagttggag tcagagatgg ggccctcaaa gtcccagcag tgaagggcat    720
ggtctccagc nnacagtgga acctttaaga ggtgggggact tgtaggagga gttagataat    780
tggggtgtgc ctttgtcccc nacntcgttc tttccctctt tatggccttg atgtggacaa    840
gattgtttct gc                                                         852
```

```
        <210> 59
        <211> 884
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 884
        <223> n = g, a, c or t(u)


        <400> 59
aaaaaaaatt nttttttccna ggnaaataac ccgngcttaa ccgggcgggg gagatcaatt    60
ntttgtngtt gtttcctcng aggcggagng tcaaaanaga acacnnctgg naaacccccc    120
ttaaaanaca aaaatttgan ggggnnggng ngttacaaaa agacaggatg ttttccgagt    180
cggattcaat cccaccacaa catggggttc acaccatngt aaggaatcgn tgccttttg    240
ggggtatcct aggggggtana nttccaaata nngataanaa ttttttttaaa aatttaattg    300
tanatattta ttanataatt taataaataa tatttggana nantnatgtt ctngcgcctt    360
gnggactggt agttttttnt ccnnattnna actttcccag nactnggtag cctatgtgnt    420
tatgcaaccc nttagaagct gccttcanta ttnaactcat actgtttctc gataatcngg    480
ggagtagctc cagttngcta tgaagctgcg gaaaggtagg cggacatccc aggcttagac    540
agagttcagg ttatttggaa ctttnnaaca gaagtgtgtt cntgcacggc agcaagacna    600
```

```
tntgggtccc gtagttccgg tcgccaggag tagtgtattg cttaggacca ttctgggtgg    660
aatgcatctg gtgggtctta aannatgtca ggcagggcct ggcaccaggg tctggcggga    720
agcctcacat accgttntaa tgacttcatc tgcttagaat ttgtggggaa acgatgcaga    780
aaaatctaac cagggatgtt tctgggccag tcatgttggg gatgcctcag tcatgtaaaa    840
ttgagctccc cctggagcac accttaaaac atcttctgtt taat                     884
```

```
        <210> 60
        <211> 955
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 955
        <223> n = g, a, c or t(u)


        <400> 60
cccntggaaa accnaanana atangnnnan anaaanactc cncccattga gggaacnttt     60
tagggnttcc nnntttcccc gganccgcca aatgngacac caaaanngac cgnantcttt    120
ggnngttgct tctcttggan cgcnttttgt tcgaccgggg tgactaaggn catgtngggg    180
acgantaatt gtttccgggg gcngntcggc accttccnan gngngngngg tttggttctg    240
gaagnccgaa nnggcatgtn ttaagatttg ccnatccatt tagggttcgt tcaacgcctt    300
atctttngag tttntggagt ttgggtgggg aggggagatt tagtggagga gtaaattttt    360
agtagggaga gagggaaggg agatagaccc ggagacagag aagggaggga ggaagggagg    420
gattatcctg taggatgtga gcccagacnt gtctgtggtn tctttccatg acacaagaga    480
ctttntgctt gtccctagaa tgcttcattt tntagtgtct caaacttaaa gggctagtgt    540
aaagttagac tgtgaacann tngtaaacac aggtgacagg aatgtntgtc agctgggccc    600
nttatatgcc acggcagagt ggtacgtgat gcccccacat gttatgtgga agttntcatg    660
cagggcttca gaacacagta gatggagatt gtgaaaatct gttgttnact taagagactg    720
gccccaagga tccatgtgat gntacttctg ttgcttgtgc tttaaaatct tatgtgatgt    780
tttgcagact ccnttcggga ccccagcaca cagctgagag tctgccctgc tggcactgct    840
gcctgtctgc tgaaggggaa cccaggcatt tgatgttggc cggcccaagg aggggctgaa    900
gctantgagc aaggacagtg atagacccac acagnagttt gcaagtaaat gagnc         955
```

```
        <210> 61
        <211> 1107
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 1107
        <223> n = g, a, c or t(u)


        <400> 61
caaannncaa nggtncnncn ggnccattgg ggggggttaa naatggaggg gnttngggtt     60
ttaaannttc ccccnggntt caaggaaatg gggctttga ttggcaagga aggaatgggg    120
nttcccntga ancctcctga ggggccaaan attggggggg gttnacaccc ccgggggaaac   180
ccttcttgac cccnagaaan gcngtttagn ttcccnccca tgggntccct taccctgggn    240
ttttttttgna cagccnagca gccctggttt tccttgtttc cttgggcncc gaaaatttga    300
atccagtgca ttccaccatt gagccngcag aggttgatng gcaggaangg tttaacccctt    360
ngaccaggag tgacaaattt ngnnggacnc cccagtgnga gctcacaaca ngtngacatt    420
gaggcnccaa aggattgttg aggggatgga ttgtgtcgca gtctggttgc ctttatagtg    480
ccagcatcgt tgagccccgc ccagggagtg ttggcacgcc caaaccccna cccagcgctt    540
```

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```
gaggcaaggc aaacacactt cccagcccct taanttncna cgcctttgtt gcttggacgt      600
cccggantgg gagcaggatg aaggatttta gtgcaggaga agaccagtgc aagccggaga      660
catngagttc cctntaattc ggtgttcagt ttgccnttnt ggcacgtgac tcgtaactct      720
ggtatgtgtg ctgaaccntc taccagccag agatcagtgt ccttaaagtt cgaatcagtg      780
tgaggggggac tgggaacaat actgatgctg ttgccctcta gtggcaaggt caactccaag      840
cgagagggga agcagtcagt ctaccgcatc ctctaagata gtggttctcg acctctctaa      900
tactgcggat taatacattc ttcatgttgt ggtgacgctc caaccataaa gtgattttcg      960
ttgctgcttc ataactatat ttttgctact gttatgaatc gtgacataaa tactgtgttt     1020
tcagatggtc tcaggcaatt cctgtgaaag gggtctccca caggtttgaa agtntcccac     1080
ctgtaggtgg gccaagctaa atgagat                                         1107
```

```
        <210> 62
        <211> 92
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 92
        <223> n = g, a, c or t(u)


        <400> 62
atggggcatc ttgtaacagg aggcctggat tgagtactgt aactgagntc ttgaaagact      60
ttacctgtag gtttggncng cttgaaagag at                                    92


        <210> 63
        <211> 209
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 209
        <223> n = g, a, c or t(u)


        <400> 63
aattccagcc catcctgaga cacacagtga ccctgtctca caaaaccagg gaaaagccag      60
gtgcggagtc tcacgccttt aatctcagtc tccggaaaca gaggcagngg gatctctgtg     120
agttcccagg cgaganttct ttgtacaggg nnccctctga anncncctga aagatttcac     180
ctgtaggttg ggccnagctt aaaagagat                                       209


        <210> 64
        <211> 97
        <212> DNA
        <213> Rattus norvegicus


        <400> 64
acagagaaac agtgtttccg ttccttaaaa cgttgctcta tcttgaataa caagcttatt      60
acatgcgaat cgtattggga acctactgaa ttccgat                               97


        <210> 65
        <211> 1047
        <212> DNA
        <213> Rattus norvegicus
```

```
<220>
<221> misc_feature
<222> 1- 1047
<223> n = g, a, c or t(u)

<400> 65
caaggtgaat  tccanttggn  gtttnnaaat  ngtttttnaa  aaanaaattt  tntttggnna     60
ttgccttnaa  ngtttgggnc  ctgaattcaa  aattccaant  tacccaaaat  ttcatgttcc    120
atccanaatt  naattccgga  aatttacaat  aatttgaatt  ntagttttcc  caattntaat    180
ntcagtagtt  tgnntttgtg  tgccccnatt  ntaaatcag  acccgtccaa  tcacccaatt     240
gntttttnaa  attgaatngt  tttcccntgt  accttccttg  caangttgct  ttaaattnga    300
atttcagaat  ccccattgaa  aagaatccgg  gnnaaagcaa  caccnttaag  gaccccagga    360
aaccagaaat  tngnagaaan  ttggacgnag  gganttnaca  ttnttnccgc  canaggatgn    420
ttgggntaaa  aaccgcgttt  gcgcaaggct  cntgtgttgg  cctcttttcc  gccgggggcg    480
ctgtggataa  tctctgggtc  agtcgaaccg  ttttaccatc  catttcgtta  ctccgagaga    540
ctggcgcncn  gcgggttcct  ccaagatggc  ggcgcagagg  aggagcttgc  tccagagtgt    600
gaggaaaccg  acccgctctc  tgggctggga  gggttgggag  ctcgggtgtg  tcntcgggtg    660
cagaagctgt  tgtctttaga  tggcagagtg  cggacccctc  gccccagagg  ccntagggtg    720
cttgcagcgc  gcgcaagacc  ctttccagtc  tagagcctcg  cctagttctg  cgcgtgcgcg    780
ccacagagcc  gggcctctga  gggtcaaggg  cgccggggtc  ctgcggaatg  ggagcgtcct    840
caagccggaa  aggacatgg   cgccgccgag  cgggccatcc  ggagggcgga  cacgactaat    900
aataaatcgc  ccccccgccc  ccgcttgtgt  aaggcgcgct  gtatctctgg  cattgtgtgg    960
accgcctcac  attcataagc  ttcgtcagca  gcagtagaga  atggcttgaa  agacnttnac   1020
ctgtaggttt  ggcnagcttt  aaaagat                                         1047


<210> 66
<211> 1063
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1063
<223> n = g, a, c or t(u)

<400> 66
catnggagtt  cccaatggnt  tccntnaann  ggttntnttc  aggttgggca  ncntttagga    60
attgaaaatn  ttnnttggga  ttcccctaga  atttgatccc  attngggaaa  ttttttattt   120
ccngaacagt  ccantnttaa  aattgggcct  nttgggatta  acggattcca  aggttgcaac   180
anattggcaa  gtttnnggac  aggaggtttc  aantggntaa  agtggataaa  tngtgaattt   240
tggagangga  attgacttgg  ttgggggcca  aaantaggta  gcattttgcc  cggagggttg   300
attgcattct  gttttgtgta  aanatgaagn  tacttgacag  ctttgagata  agaaggagac   360
ntaatttgct  aaacatttta  agtgttctat  tctgccggag  ttttggagag  ggtatatgcc   420
ggtcaggaag  ggagccagaa  gccagtaaca  ttgcaagtat  ttcaacatgg  aaagctttag   480
gttatctctt  gtgcatctta  tgctcggnta  atgatgtaan  ccaattgtaa  ttctgggcac   540
agctttccca  tgtgtctttg  aacagtctg   ggtttgtggt  tntaaaacaa  catttgtatn   600
tagttggagg  cttatctaag  gagcttctta  gcatttgggt  tgtaatttat  tttagtattg   660
tttcagctac  ccattgctac  atagtaaatg  tacaaaaatt  tagtggatta  aaataatgat   720
gtttggtttg  ctcacgaatc  tttcatgttg  gctgaagttg  ccatttctgc  ttctctctgc   780
tgaacttggc  atcaactgag  agggttggaa  tcatctgaag  atggggttag  ccacacctcg   840
cagttgatat  tggctgtcag  ttggaacctc  agctggggtc  agcatgcata  agtaagcatg   900
tgtcactttt  ccaggtttct  gtcttacagc  atggtggctt  ggttctgaag  ggccatcact   960
ctaatggtgg  ctgggttccc  agcgagaacc  agtggancccc  aaggatagct  tttggtgact  1020
gaaagacttt  aacctgtagg  ttggggccna  gctanaaaga  gat                      1063
```

```
<210> 67
<211> 815
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 815
<223> n = g, a, c or t(u)


<400> 67
cccccccccc aaaccttcct tccaaaccct tnggggtggg gaaaacattg ggcaangggg      60
caaattnana ccccttggaa tngttngccn ggnaaagttn cngttcccca aaagccaaag     120
ggggggggtt tccaaanatt ccnggggttt tttnngggggg taaagggntt naaaggtnaa    180
aaaatgttcc cggngccccc anacttccaa aggttttccc ttnnaaaatt ccnggccttc     240
cggggnccn tntgtncccc ccnttccccn aaatnncntt nngaaaaggg ttnaanantg      300
ttnaaaancc cnaangttaa angggnnnat nnaaanggtt tccctnncnn ggggngggna     360
aaaaggtttc gcgcggganac cnntgatgcc caggttcagt ttccccggag cttggggcca     420
gacccgcggc gcgccntggg tgtggcggga gcgcgcgggc ttgcgcccgg acggcttctc     480
cccgcccccg actcccctcc gcggcggcgg gagtaggttc ttccggctcc ggtctgaggc     540
ggtgcctggc accttctgac caggatccgc gggtccccgt gctgtggtcc cgggaggcac     600
gcggggcctg cctgctatag cgggtttgca gggcgagcct ccctggagcg gtagggtcgg     660
tttgggtgtt gcacgctcgg tttgacgttt taatccggag gagttgtggg gttcctcgaa     720
tctcaaactg ccttcttccc ttttgagact tgaaaatacc cgaagcctgc cttgtactga     780
aagacnttac ctgtaggttt ggcagcttaa aagat                               815


<210> 68
<211> 1034
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1034
<223> n = g, a, c or t(u)


<400> 68
aaaaaaanagg tttccccngg angtccctng gggntcnttt tnngancntn cgttanggggg     60
ncctncncct tttcccccttg ggggagggggg nttttttaaag cnannnnntng gtttcnnntn    120
gggttaagtn tttncccaaa agttggtttt tnnaaaaanc ccctttnncc cggacgtttn       180
ccttnncngg anaatatntt ttgggccaaa ccngttagnc gggatttccc aattgcgncn        240
cccttgnaaa cgggttnccg gggggngtnt tnaggggttg aacngggttt taaangtgcc        300
aaaacgggta aattggaggc attttngnaa tggcttttgt tnaaccnntc ccttgggaaa        360
gggttgtagt tttnaacggg naaacaaacc ccgtngtagc gggtgttttt tntttnccaa        420
gcgccggnta agccncggaa aaaaggatn ccnggagacc ttgnattttn nnnggggttt        480
nacgcnatnt tttttggaat tttgggggga taanaatttt nnaccngaat ttttngnggc        540
cncncnnngg gnnaaaaatc tnannannat tnggntattg aacatttctt ccntgcatat       600
ttatngangt atgacccttt aaacaattaa gtacttggct tcagtgggag agaaagtgct       660
tagcctcaaa aagacttgaa gtgcccaggg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg     720
tatgtgtgtg tgtgtgtgtt tgtgtgtgtg taacccagag gggtgcccac ttgctcaaaa     780
gagaaggggc agaggaatat gagggaagga ttgtgggagg gagtgaccag tagggaaaca     840
gtgagtgtga tgtaaagtga ataagtaaaa aaattaaatt aaattaaaag taaataaagt    900
gtctacaaag tcaattactc ctttcccttc ctccacccctt tcttctaata ttaggcaaaa     960
```

```
acaaacncaa aaacanaaac aancaaactg aaagactnta acctgtaggt tggncagctt     1020
gaaagagatn tttc                                                       1034
```

```
        <210> 69
        <211> 186
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 186
        <223> n = g, a, c or t(u)


        <400> 69
agaccacctg ggtggaaact cctattctta caccaagctg cctctgtatc cacagatacc      60
aagaagtagc caccgttgtt ttacttaact catggtccac ggggtgagct gaggtctcct     120
tcctgagcaa gatggaaatt ttacttggtc tgttaactag cgtgcattga atggangaca     180
tatgat                                                                186
```

```
        <210> 70
        <211> 1028
        <212> DNA
        <213> Rattus norvegicus


        <220>
        <221> misc_feature
        <222> 1- 1028
        <223> n = g, a, c or t(u)


        <400> 70
aaagggaacn ttttaagcnt ttnnaattnn gttnccnaan aaggatttgc atttaccacc      60
cttaaattta ggnatttttg aatnatttca acccnttgca ggcagtttgt nccatgtttnt    120
gggaaagttt taacaggatg gttatttnga caaaacaggt tttttcagac catttgtgna    180
ntatcttgaa atttcccagt ttttnaattn tattntaang atattntagt tnnaattnna    240
tgacttcaat ttgtatanac aggttcttaa caaacagtgt gtaactgagt accttgcccc    300
agcatttaag gttacacaca tcatacgaac actgaagaaa atgtctgntc tttaattttc    360
ccctttttctc tgtgtaattt ccttcaggac tcctttgtcc tgagtggtca ggcccttgat   420
aagatggttn atcttatttc tgtttgccca tgtgttgtaa tcntgcctga cagttcttgc    480
ttaatgcaga aaccaagcaa aggttcagtt tgtactggcn tcccttttnta gttatctgac   540
agggatcagt tttcaagctg tagccgtggt cctcagagag acctctgccc atatacagca    600
gcagtctttc tcatcccagc cctgggagtt ctagcaaaga tttgactttc tgagttgttc    660
agggtcagag accatgtatc aagcctcggc tctatttctt gagtaaaatg ggcatctggc    720
acatctactt agatgcagaa atagtcagaa tgaagtgaag atgtaggagg agtcgtgtgg    780
agaaataggc tctctgaaag gaggcttctt cttcactttta taagctgtag tgtcatccct    840
tcccaagtgg ctctgaaact gtgttagaag acatggcctc cccagagctt ggggaaacct     900
taaataaggc tgctgctcag atgtcagcac attttacgct ttactggaag acttctgctt    960
cctcttccta tttctccaaa tncanntgaa agacttgtac ctgtaggttt gggccagctg   1020
aaaagatc                                                             1028
```

```
        <210> 71
        <211> 1034
        <212> DNA
        <213> Rattus norvegicus
```

```
<220>
<221> misc_feature
<222> 1- 1034
<223> n = g, a, c or t(u)
```

```
<400> 71
aaaaaanagg tttccccngg angtccctng gggntcnttt tnngancntn cgttangggg      60
ncctncncct tttcccccttg ggggaggggg nttttttaaag cnannnntng gtttcnnntn    120
gggttaagtn tttncccaaa agttggtttt tnnaaaaanc cccctttnncc cggacgtttn    180
ccttnncngg anaatatntt ttgggccaaa ccngttagnc gggatttccc aattgcgncn    240
cccttgnaaa cgggttnccg gggggngtnt tnaggggttg aacngggttt taaangtgcc    300
aaaacgggta aattggaggc attttngnaa tggctttgt tnaaccnntc ccttgggaaa     360
gggttgtagt tttnaacggg naaacaaacc ccgtngtagc gggtgttttt tntttnccaa    420
gcgccggnta agccncggaa aaaaaggatn ccnggagacc ttgnattttn nnngggggttt    480
nacgcnatnt tttttggaat tttgggggga taanaatttt nnaccngaat ttttngnggc    540
cncncnnngg gnnaaaaatc tnannannat tnggntattg aacatttctt ccntgcatat    600
ttatngangt atgacccttt aaacaattaa gtacttggct tcagtgggag agaaagtgct    660
tagcctcaaa aagacttgaa gtgcccaggg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg    720
tatgtgtgtg tgtgtgtgtt tgtgtgtgtg taacccagag gggtgcccac ttgctcaaaa    780
gagaaggggc agaggaatat gagggaagga ttgtgggagg gagtgaccag tagggaaaca    840
gtgagtgtga tgtaaagtga ataagtaaaa aaattaaatt aaattaaaag taaataaagt    900
gtctacaaag tcaattactc ctttcccttc ctccacccctt tcttctaata ttaggcaaaa    960
acaaacncaa aaacanaaac aancaaactg aaagactnta acctgtaggt tggncagctt   1020
gaaagagatn tttc                                                      1034
```

```
<210> 72
<211> 824
<212> DNA
<213> Rattus norvegicus
```

```
<220>
<221> misc_feature
<222> 1- 824
<223> n = g, a, c or t(u)
```

```
<400> 72
gggggntttt cnnanntanc aaaaantngn tntancanng antnnttgag ntgttgaagn      60
aangnggaaa angttttgaa atcantgtaa tgaggttcca aaaattgagc aggaaattgg    120
atgntgtcag gagaaacccn ttcagtnttg tgcaattggt tcgccagcag ttaggaccgn    180
ttccccatca cttgtgccag cggacatcca gntattgagc cntgnatcat ttatggnaca    240
aattaggaac acacaacaga gatccgcttt ntgactgcca tgttcgccaa actcaattgg    300
gggaagtaat cctccagacc gttccgtttg cacgtntagg aagccacagt gaaaacacaa    360
aattcgtgga ggcgactcta accaggaagc ctaatcccnt agattcccgg gacactgggg    420
caggcgtcct aaaaacagct ttgtggggct tcagtcctcc gtgcggttcc agtccgggtc    480
ttggggatcg ccctcgcggg gaatgtccgg gactccggtc ggtatctttt tggcctggga    540
atttccagcg tgtggaaaaa gtccacaaac ttagtcctca ctgcccgcct cgcctcctcc    600
ggcccttctc ggtgcccacg cacccccccga tcgaacccga ggatgagcat agggtgtatt    660
ttaggcgtgc tgggcttccc cgccccctc tgcccactta gctggcaaga agaaagccag    720
cactataaag gaggccaggg ccaaggactg gcctcctctt gctcacgagg tcagacgcga    780
gctctgaaag acttcacctg taggtttggc aagctgaaga gatc                     824
```

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```
<210> 73
<211> 774
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 774
<223> n = g, a, c or t(u)

<400> 73
gaggggganna ncancaggac caancngata agggggtcaa caacntgngt tccncccntt      60
gagngggaaa tgagcacgng gcantccaac cgntcaaggt cccgnttcgg acggtcacac     120
antaggttnt catntggatt gccngngttc cngttggcat ccgggaaaan tgagactgtg     180
tcggtaccag agntaggatg gccntccttc ccgccccgg ccttnttggc gccttgcgat      240
ccttcccgaa ccggcccntg gcgtctccgc cttnggcact tgcacatntg gcggcccagg     300
atggcgcttc cgggatggcg ccagcgcgcg tacgtcatca cggagcgtcc atgtgttcct     360
tctgtccaag cgcntaggag cctgcgcgta ctcccagcaa ggaagatgta ggaccaaaat     420
gtagaagcac ttaacatgaa cgtcaaaacg atgaccaatc acagggcgat atatgcgcat     480
gcgcaatgtt ccaatcatgg ctcataagca atccggaagt ggccaattaa atatactatt     540
tactaatcca gggttacaca gtgaaaccct gtctcgaaaa ataaacacag ggctggagag     600
atggctcact gattaagaac actgactgct cttccagaag tcttgagttc aattccgagc     660
aagcacatgg tggctcacaa ccatctgtaa cagattctgg tttatgtnga gacaactaca     720
gtgtactcgt attgaaagnt ncccacctgt aggttnggca agctaaanga gatc          774


<210> 74
<211> 248
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 248
<223> n = g, a, c or t(u)

<400> 74
tgacacttca tggaaactga gaccgggagc ttccaccaga aggcactgcc cagtggagaa      60
aaccgacttc tttttgttgt tgttctgatg ttttgttttt gagataaagg tctcactgtg     120
tagctcaggc tggttttgaa atcaggatcc tgaccctcag gaatgttaaa gtgcctaaaa     180
gtggngacaa attattttac gtgcctttga aagacttcac ctgtaggttn ggcnagctag     240
aagagatc                                                            248


<210> 75
<211> 833
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 833
<223> n = g, a, c or t(u)
```

<400> 75

```
aangggggtta tnntggagan atnctaagnt cccaaagcaa nttaggattg ctnccnnnng    60
aattnttaag cntttgcatt aagtantaat gccaaaatga ccccaanata tngntccttg   120
antgtnntaa aaangaggat cttcnttgnc catanacgcc ntatatgaaa gcaactgaac   180
aagatttaaa attggacagg tcacaancgg gcgtgtgcct ttaatcccag cactcgntgg   240
ctgatagaag cagatgcatn tatgtgggtt tgaggacagn tngnttnacg tagagagttc   300
ntatatcagt agggctttgt agagaccnta tctcaaaaaa caaaagcaaa acaacagaga   360
aaaaatcaat tgaccatgtc ccaattacct ttatttatct gtaacctatc cttagttata   420
ctcgtaatct ttttctctct tcagtttgcg tacgggacag cagacctact cacaacccaa   480
gctntaaatg atgagcgtac tcagccaggg agcttcaccc cacttaaccc cataagatgg   540
cggcagcgcc tcttcaccca ctcagggctg aagcacgcat cacgtgatgc gctccagctc   600
tcgccgcggt ggctgacggg aggtggagat agaacgaggg tgtcggccat tttgtgtctg   660
tttcctgccg gacgtggtgg tggcggttgg ttccgagaac tgtgcgagtc tcttctctct   720
ttttttttttt ttgttttttcg ttttcccccc agcttctttt cgcctctntt ctgcatagtc   780
tgtagtgcgc agttgaaaga ttccacctgt aggttgggca agctaaaaga gat          833
```

<210> 76
<211> 880
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 880
<223> n = g, a, c or t(u)

<400> 76

```
aanatggntt ggttntaaag gttaaaattg gggcaaaatt tttccgcccg ggtccttaaa    60
ccggattaac tccaaggcca aaattccgag ggggaatcaa caacaaggac ccaaccggat   120
taaggcgggt tcaaacaaac ttggatttcc ngcccttggg ggcgggggaa atgggcacgg   180
gngcattcca agcngntcaa ggttccggct tgcggacggt taacacaant aggtttctca   240
tctagattgg ccngcgttgc ggttgagcat ccgggaaaat tgagattgtg tcggtaccag   300
aggtaggatg ggccttcctt cccngccccg gcttcctggc gccttgcnat ccttcccgaa   360
ccggcccttg ggtctccggc cttgggcact tgcacatctg gcggccagga tgcgcttccg   420
ggatggcgcc agcgcgcgta cgtcatcacg gagcgtccat gtgttcnttc tgtccaagcg   480
cttaggagcc tgcgcgtact cccagcaagg aagatgtagg accaaaatgt agaagcactt   540
aacatgaacg tcaaaacgat gaccaatcac agggcgatat atgcgcatgc gcaatgttcc   600
aatcatggct cataagcaat ccggaagtgg ccaattaaat atactattta ctaatccagg   660
gttacacagt gaaaccctgt ctcgaaaaat aaacacaggg ctggagagat ggctcactga   720
ttaagaacac tgactgctct tccagaagtc ttgagttcaa ttccgagcaa gcacatggtg   780
gctcacaacc atctgtaaca gattctggtt tatctggnnt cnactacagt gtannggcat   840
tgaaagatnn tacctgtagg ttggncagct aaaaaggatc                         880
```

<210> 77
<211> 864
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 864
<223> n = g, a, c or t(u)

<400> 77

```
aatttttaant tgttggnata anggcttgnc catatccttc ctnttgtttg ccctaagtaa      60
cagccaattg ggggagaant tttntgtcag tatcatattt ttcgttaggg aacggaggcn     120
caggaantga tccntntggg ttacagtcat tttagcatag gntgacagtt ggngaccaan     180
tnatcttgcc gtgttggaag gagaggggan taaggntgaa gctcttgagt ccnttgangc     240
ccttggaatc gggaantccc ttaaaccaac cccttttgcc gttgaattgc accaaccaga     300
ttcttccagt ctgcttgagg angacaggac ttcattgctn tggagagggg caggagggtt     360
gggagttgac ntnacagggc tcagggattc ttttagaagg gtccaggttc atggcttccc     420
cccccccag ccaggtcaga cactaaagtg tcttaagccc ctccatactt gccgctcccc      480
cacnttggat gaagccggcc attaggcagg gaccgtctct gggagaggcc aagccctctg     540
gctcacttgt ggatttcctt taagcaagac ttcctctctg cttccaggac tcctgtcaaa     600
caagagggtc cctggcttag agtttgggag ctgcaggcag aacagacatt ccccgatgac     660
tcacaagcct ggaactctgt gggccagcag gaatggggat ggctttctgg tcagtcaggg     720
tcaactggga cactcactct gagacaggga ggcaagggag aaacaggtca gaggtagaga     780
gagctcagtc ccagggactc acgttgaggt ccctaaggtg cgctagggag aggnttttac     840
attcggttng gcaagctaaa agag                                           864
```

<210> 78
<211> 874
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 874
<223> n = g, a, c or t(u)

<400> 78

```
gaggttggac cacaaggagn ttggnggaaa atnnaaaagt caacctatca gggtgtcttt      60
tagtttggaa cagaggcttg ggcagaaata tgggcaagta ttaggaaagt acaaggggaa     120
atgttgtcaa cgcgnttgtt ttcccagttg ttgnactgat cccnccagga tgttttccca     180
cntatgntat ggaaccntct ctttcaggaa gccattntna ncntatggnt tgcaacccct     240
ttggggtcgc aacagcaggt attaacatta ggattcataa cgntagcaaa atnacagtta     300
tggagtagca atgaaataac tctatgnttg ggagggtcac cacaacanga gggacggtat     360
cacaggnttt tagcattagg aaggttgagg accttatttc agagtgtcnt gacaatcntt     420
cntgggacca cttgacttna tctggagccc tttccctcac gctcntactc cttaccatct     480
ctgcacagct ctntgaggct tagagcggtc tttcttcata gctttccntt ttccttcagg     540
tatgcagtca catcttgctt tagaccccag ggacattccg tgtctgactc actgcacaaa     600
atagtttccc acatatgagt cctcaaccgc cccacatcac gagacggaca agaccggaga     660
cgccatacat tctgtatttg ccctccttcc tcatttaaat aggaatttgt tgctgtttaa     720
tttttcatta tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg     780
tgcgcgcgca cgttaatatg ccgctcagaa tagtctaaaa ctgctgggct tgaaagacnt     840
ncacctgtag gtttgggcna gctaaaagag tatc                                874
```

<210> 79
<211> 886
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 886
<223> n = g, a, c or t(u)

```
        <400> 79
atttttnaat tgcagcaatc ctcctgcctt ttttcttggt tgttaantca caggatnttt     60
gcacacttga ggttgaantt gcagcaatcc tcctgctttt gtttnttggg cgcttggatt    120
atagtatgtg cataacactt gagcagtaac tgttttcttc aatctcattt atctcagaag    180
ttccccttgn tgattcagac gttattaatt aggcaaacca atgttgattg tcattaccca    240
tgagttgctt ggcttgtgag atgcatactg tgtgttcgtg aggcacntac tgtgaggcat    300
gtgcccgtga ggttcatggc tgtgaggtgt gtgcccgtga ggttcatggc tttctngacc    360
acngggagta tgaaggagag gaatcctacg tttgatgcca gccagggtta tacagcaaga    420
tcccgtctca aaacaaaatg aagaagtaga gagattagtg ttaataagca actgaggcct    480
tgaagggctg aggtcaggcg gtgccctggt gcacacacag aagcgtgcca gtgacgtcag    540
acagactcag ccctgtgtca gacaggccgg agggtgactg gccatgtggc gtgattggac    600
acattcccaa aaaaggaact cgatggaaga ggctcctcnt gctccagaca gggcggtggt    660
tatgtgactt gtgcgagatt agtctcatac cctattgcta gcctgtgcct ggtaccacgg    720
acatggtaca atccagggag gagccgtaag cactacaggg gagccatcct gaatcccagc    780
aagtccaact tctgtttttt cttccttccc cgcaacatta ggaatgactt ctaagagngc    840
tgttgaaaga ctttcacctg taggttgggc aagcttaaaa gaggat                   886
```

```
        <210> 80
        <211> 865
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 865
        <223> n = g, a, c or t(u)
```

```
        <400> 80
tggaggtaaa agtcacaagn ttttcaaggg tttgagatga cagttcaacg tgagnattng     60
acaaggattg attcttgtnn acaggaaagn tccccatccc accaananac accgtgttca    120
ggcccantgc tcagagctcc gggcgccagc gaagggcaaa cggccactga ttggaaagnt    180
gcagtttaaa gacatgtccc aggaactggt anccttgtgt gactggactt agccttgcaa    240
ntctgtctga agcataacnt gntgctgtct ntgggcgagc atttatgtgc cccacttgag    300
acccatctca ggacacgcag gacacggtcc agtggagctt ccctccaga gagaggtgtt     360
agggnccatc agtgagcttc caggacagg ggaccagaac ggtgaaaaca aaccagggct     420
gtgaaggaga gcagggcggg gggggggga ggggggcgc tctntagaat agattgaacc      480
tgcagagctg cttgctacct gaagttgtca cccttttacc cacccacntc atctgtctct    540
gcttgaccat ctcagcaagt gtcacctcgc tgccaggaca caagtttcct aaagcttatt    600
tcagtgtcag ccgctgggga gacacattca gggcatgggc gtcccccagc cctcggggag    660
aatgtgggag gtggcgatgt gggagggatt cgagagaaga gaatgcttaa gaaccatcca    720
gggaacctgt gcgtttgaag gtctgagtta cacacaggct gctcaggaag gagctagagc    780
tccaaatagg agctgtgatc aggctgtgtg tgtgtgcctg gtgaaagact ttnacctgta    840
ggtttgggcn agcttgaaaa gtatc                                         865
```

```
        <210> 81
        <211> 859
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 859
        <223> n = g, a, c or t(u)
```

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```
<400> 81
cangagcant ntgaancagg catttntgga agggctccng agaaaacacg tggaattnct    60
tgtctctggg actttagtnc cagcnaggan gatncagtga gggaacacac cgggctttttg   120
ttgtgcacgg gaggccaggc tcancnncct tgggagnttg acatccagca ggctatanac   180
agtgatccag gggacatgta cacatgggga actgnccagg cagagaaaga caagagaaaa   240
tctcaaanga tgaagacaga gangagtaat atggccagaa ngatacagtg cctcntgcat   300
aacccttgag tttaatttcc agggtcaact gtattttgaa agtataaatg aaagttcctg   360
aagtaataaa tttataggat gttagtatca cactgttcag aatagctcaa aaaatcctgc   420
cntgtcctct taagtatgtg aatcatcttt tactgcaacg tgtccacaat gtatatacta   480
catacccaaa agtcctcact gttatcccaa ttagtaggct ggctgccaat agttgtccat   540
acagagtgcc tgctgctgtg gccatccnta ctgtagtaaa cagtcatcca aagctcagga   600
gtgaggctat tgtagaaatg cacttcctgg gggccctact gtcagtgagc acctgagaga   660
gaaagggaca caggcccaag gtgggaggcc ttagataaag gcccatcatg ctcaggaaag   720
gatttntaca gatctcttag ggaagttaca atcaaattca tacctcacag cagagctcag   780
gagaagaatc cataaagnnt gaagacatgc ttgtngtgnc tgaaggacnn tacntgtagn   840
                                                                    859
tngggccngc tgaaatttt
```

```
    <210> 82
    <211> 1021
    <212> DNA
    <213> Rattus norvegicus

    <220>
    <221> misc_feature
    <222> 1- 1021
    <223> n = g, a, c or t(u)
```

```
<400> 82
caatngncaa aggtttggaa cccgngaaat ttnaaaagtt tgcgngantg gttgacnttc    60
cnggtgtnaa nggtttcccc gttcngattg nagggatcnc ttttatccct tttttnagnt   120
ttttttttgag nggaattttg ggttcnaant gngttaccct taagtaaccc cattttgcan   180
ggcatggaaa atacctaaan tgggatngaa agttcanatn gaggtcagga anggntggaa   240
cagggtngac cggttngacc gttggacctt tgaganccat cagatntttc ccaggttncc   300
ccaaggactt gaaatgaccn tgtnccttat ttnaantacc caatcagttg gtttctcgct   360
tctgttcgcg cgtttttgtt cccggagttc aataaaggag cccacaaccc ntcantnggg   420
cgccagtcct ccgattgact gagtcgcccg ggtacccgtg tatccaataa accntcttgc   480
agttgcatcc gacttgtggt cttcgctgtt ccttgggagg gtctcctctg agtgattgac   540
tacccgtcag cggggtcttt tcaaactgca gttctcaagt aagctcaacc atccgagggt   600
cattctcaaa gccaagtcaa acttgggagc cctcactcct ggtggtcttt caaaagaccg   660
tgcattggat agtcagagac tctgcaggag cggattaagt ccaggcctgt ctccctgctt   720
tctgcctggg ttctaaagtc aagaaggcca gatggctcag atagttgaga cagtggctta   780
gctgattctc tggggatgca tttggtctgc ccaggaaacc ctggagagtt ttctacccaa   840
gatactaaag ttcaaacggc agcgcctgtc ggcagactca gcctatacaa agctggcctg   900
tatctgatgg gattntaagt ccctgggcag acccgggttt gtgggcctga agcttgagtt   960
ncaggagact tagtgggcca tgggattctt ttaggatccc gatatggnca aacttaaact  1020
                                                                   1021
g
```

```
    <210> 83
    <211> 1013
    <212> DNA
    <213> Rattus norvegicus
```

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```
<220>
<221> misc_feature
<222> 1- 1013
<223> n = g, a, c or t(u)

<400> 83
ttttgagttt tctcngcccg nttgtgncng aaanncagcg ggggtntntc actgtgnntc      60
tcacatgtnc tcacacanat cnggggacn ctcacancnn catctcacnt ntgnganctc      120
acactcgtgt gggntctttc aaaacantgt ncnntggata cncagacact cnncnagngn      180
ggtntatctn cacnngtgtc tcngngnttt nngcnngnnn tcnaanctca aaagcgncat      240
nnggcacata tntntgacac ngnggtatat nngnctctcn ggnganacat ttgntncgca      300
caaaaanccn tggagatttn tctacncaat annctanttt tcacaggnga gcncntgtnn      360
anacncncac cntanacaan tnnggnntgt ntcagaggng attttanctc nntggncana      420
cccgnttntg tgnnccaaan tnttgtttc caagacatat agtggnacat gnnactctnc      480
gatntccgat gagnananat gtgntcngac ntttacagcg natacacngt gggncanntn      540
tcacagatat gtgntatnt cnnacanaca aatntgcnng actcctctcg tgtataaatc      600
aatanacggg ngggttaaca tnnggccncn gttgnncagt natancgnga aacacactcn      660
caagggctnc aanttttnca nctatacacn cncncccgan gggncngngc acaaatgtgc      720
nccgaaattt tatncgccnc naacactctn aaattnntcc cgggaccta gatatatttn      780
tccncattna aaatttgcac attnttnc anttgcangg gnantcgggg gttcacccnc      840
cncnttggga aggggnntnt tnaacccggg ttcnaantta tagggggtt tanatcnccc      900
cattttttna aaaagngttt accntgggcc ccntntttn cnaaaaaatt tgnccccgnt      960
ttancnccgg ggttggggaa cncgaatttc ttngggngcc ccctnagnn ttt           1013

<210> 84
<211> 1002
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1002
<223> n = g, a, c or t(u)

<400> 84
aaananttna cacggattcc ttttcctcaa aaccaatggg ggaataaatg atgtngtagg      60
gttccccngt aatggatact aggttgaact tccangggga antattattt caataaggtt      120
ttagaggtcc cacttgtnat caggttattc tgttgctttg ggtcaagcaa acagccnatc      180
aggattgtga ttattngant aacccatta cctnacagcn gggaggaaan ccaangggag      240
gcttgaggaa acggcttgtg ggttcataaa ctctttgaat cataccttgg gtgattcaaa      300
tgctttttac taggctctcc tttcatagta cctctcttgt ggacaaggac ccagtccttt      360
gaaaagcatt gaaaactcaa accataccac tatcagtttc agctttaata taaattagct      420
ttctaagttc agctgaccac nttttcactg gaccttcact gatctcacag ggaagatata      480
ttttcaacaa ttacaaagac atttctgggt tggactatgc attcctttgg gccagattct      540
acatcctttt tttatgccag aattttttag cgttcctgta agattgtcag tttcccctag      600
gaaatccata aagctttaaa tgccttctaa atagccaata ttttaatgag aaatgtagtc      660
actgatatct ctttgtattt aaaggttatt ttgaggggag ttgcttggtt ggttggttgg      720
ttggttggtt ggttggttag ttggttggtt ttggctttgg ttttctgtcc catggtaata      780
tgatacttat gtcatagatt agttaactca aatggtcttt tcaggtggca gtctggaaaa      840
caactaactt ggggggaaaa aggctgctcc atgttctata aaagctgtac atgtgatttt      900
ctctgcttta ccttttatac tcatttattn tgttatttgt gtatgaaagc cttccgtatg      960
aaagaccntt acctgtaggt ttggggngct agaaaagatc tc                      1002
```

```
<210> 85
<211> 1031
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1037
<223> n = g, a, c or t(u)


<400> 85
caacnnccat nttttggaat ttgnggggta aaatttaaac cgattcnttt tccncaaacc    60
caantggggg atatnnatgt atgtngtagg gtcccccngt aatggaatat ttaggttgaa   120
cttacaaggg aaatattatt ttcacaatgg tttagaggtt ccactgtnac aagtattctg   180
ttgctttggn ccangtcaaa cagcccatca ggatggtgat attagaatta accatttatc   240
caacagccag gagaaancca aagggagctt gagaaacggc tgtgggttca taaaactctt   300
tgaatcatac cttggtgatt caaatgcttt ttattaggct ctccttcata gtacctctct   360
tgtggacaaa gaccccagtc ctttgaaagc attgaaactc aaaccatacc actatcagtt   420
tcagctttaa tataaattag ctttctaagt tcagctgacc accttttcac tggaccttca   480
ctgatctcac agggaagata tattttcaac aattacaaag acatttctgg gttggactat   540
gcattccttt gggccagatt ctacatcctt tttttatgcc agaatttttt agcgttcctg   600
taagattgtc agtttcccct aggaaatcca taaagcttta aatgccttct aaatagccaa   660
tattttaatg agaaatgtag tcactgatat ctctttgtat ttaaaggtta ttttgagggg   720
agttgcttgg ttggttggtt ggttggttgg ttggttggtt agttggttgg ttttggcttt   780
ggttttctgt cccatggtaa tatgatactt atgtcataga ttagttaact caaatggtct   840
tttcaggtgg cagtctggaa aacaactaac ttggggggaa aaaggctgct ccatgttcta   900
taaaagctgt acatgtgatt ttctctgctt tacctttat actcatttat tttgttattt   960
gtgtatgaaa gcccttcncc tatgaaagac nttcactgta ggtttgggcn gctagaaagn  1020
gatcnnnaaa a                                                       1031


<210> 86
<211> 1039
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1039
<223> n = g, a, c or t(u)


<400> 86
aantttttgng agtntttgga atnnaacngc ggttccttat gntggnnaan aaaccnctnc    60
nanaccccaa taccttggat nttttaanat gcncctgggt aagcnaantt gaattatttt   120
ccntgggata anaagtggaa tcattgacag tttttgtggtc cttttnncat cccc'atgngg   180
tttnatgact aggcacttta tttcatggac aaaccagtgt tgtccctcnt ggggactgag   240
tgggattaaa aaaaccttcc aaaaatgtgt aatntgatca aacccattga gacaatcagt   300
gnggagtatt agcaaattaa actgacttgt tcacttntga aaantgatgt ctgatttcgg   360
aagaatccca gtgcctcggg acatgaaagg gagatgtaac cttgagttca tggttaggag   420
ggaattcata gagacagttg gtaaaaatct gagtgaggtt gagaggttgg aggaccacat   480
tgtgtatttg ctcatcntgt gagggagaga ctttgtactc tgctctgaga aggcagaact   540
gttaggcaga cacttagaga atatatgtca tggcaaaaga catccaccca acaagtcttc   600
agtaacaaag cactaaacag aaaggggttg aagagactgg tcagtggctg agagcttta   660
ttgctcttac agaggactcg gcatgcntag cagctcacaa cagcntgtga cttcaacact   720
atgcctctgg cctcaggaga cacctgtgta ctcccaccca gacacatata cttaaaaata   780
```

```
aaagaaatct tttaaacatt gagcaaatgt aatcaggtac taacattgaa tatatctggg    840
gccaggaatt attctggttt attgcctttt tcggaagcct aatatcacac atagagaaat    900
aggcagcaca ggcctaacag cccataatgt gtgctattct atcaatagtg ccaagtattg    960
acatggacta ttcaaaaggc ccaaaagtta aatggcccag aagtncaaca taaagncggg   1020
cnagctaaaa gagatcntc                                                1039
```

<210> 87
<211> 1058
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1058
<223> n = g, a, c or t(u)

<400> 87

```
aaaagctttt tttcagnttg gccaattttt aacccattaa anattgttnt ttggaatcng     60
catttggtna ngttattgnc gaggaaggta ntaagggant ttttcccaaa ttncaaccat    120
tnttggccag ttgggatttt gattgantgg gaacccccca ggntttaata agcctttgga    180
tttgttcaca ggggattaac aaantccttt gnttaatggg gattgaattt gggaaattgn    240
ttccntaatt ttccaggacc aatgcacant ggantattag aactgatgta acagagtgat    300
atgggaccaa gtaggaacaa gggtgcaggt ttgccgaggc aggtaattgn tggtcttgtc    360
attgtcataa cttctcttgaa agttttagga cttggacgga cagaagacat gatcattagt    420
atacttgatg acaagtggag atgaaaggac aaaaattgtg cacatcaaga ggagaattta    480
acattgggtt ttcttgcatt agctatccac tcttgccctc accctcccac ccccttaatc    540
ccagttacct tgacgattga ggtcattttc tctgaacaca ttctcttctt ggatgttaaa    600
gtgccatttg acactgtgtt tagggacact gcttaggccg gggtggggga attgccacag    660
aagcttgacc ttagaaggtt gagactctgg aagcctgaga gagatgagat ctgtcaaaga    720
aacgcttagc gttggtatgg gatgcgtagg aggctgtact cttgttctct agatgctatc    780
acgggtgatg taggagaaat gatctcactc agcccaagat cattcccttc caaatgtgct    840
catcccatca gcaagcaaga cctgtactga agccagcagg ggcgtggtac agagtccggc    900
attttttgca tgccatgctg gtttgatgtt tgaactctaa aggtggagac tgttgggggc    960
agcagggcag acagtcttct gatgatttct ctgccttcaa actgaggtnn actcttgaaa   1020
gattncacct gtaggtnggg caagctaaaa gagaggcc                           1058
```

<210> 88
<211> 1043
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1043
<223> n = g, a, c or t(u)

<400> 88

```
attttccatt gcgcnccatt gaacggnttt gcgnggggtn ttaggggtnn aanggatttt     60
nagtgtgccn aanaaggtac attgaaggcn ttntttggat ttggntttgt aaanccattc    120
ccttngaaaa ngagttgtag tnttaancgg caaacaacca ccggttgtag cgtggttttt    180
tgttgcaagc ngcggttagg gcggaaaaaa ggatntaagg agatcctttn ncttttcttg    240
ggggtctgac gnntcatgtt gtgtggaatt ntgagcggtt acaatttcac acngattttt    300
tatgcaaatc cacttgccaa gttggnataa ctgacttatt ttaccgggaa ntctccatgt    360
atcttctttg gacacttacc cttacagagc ccaggatgaa ttttgaccaa gccaagtatt    420
```

```
cacacagccc aatgtgacat gttaccacaa attggngatt ttccttcagt acactcaaat      480
gacacaagct ttttctcgat gtctttcttg tcattcacta ccaggatgaa attaatttta      540
tcttctgagg angcaatata cgatccaccc aggaaaattc actttagatc ttcgttctca      600
tttcttggca aacagaattt gagctgaatt tctcttagaa aaatctgtcn ttcagaaact      660
taaattcttg ctgttccata acagaagtca gcaagtgact caccctccag atacaggtat      720
attacctcca ctcccatcca cagagactta attctagtca gcttcatgat agtgagcctt      780
catccgtaag gagctgtatg gtatgggaag gggatacaga cagggccagg ggtgttttta      840
aacggtaacc cagggaccac atccattaaa aacactggac tgtttgtgag agtgtatatt      900
cctgagcatt gcctatccct taaggtacta caaaatttgg gagtgaggct cagcaaacta      960
ttttaacatg cctctccacc aacnactcaa gattcccgtg nacagttgaa agtttncacc     1020
aaaggtgggc aagctaaaga gat                                            1043
```

        <210> 89
        <211> 454
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 454
        <223> n = g, a, c or t(u)

        <400> 89

```
aattcatccc tcatttgccc tgctagtgaa aactatttca gacctgaaga caacatcctt      60
gaaaacttct ctggagaatg tgcagagatc accatggcaa cctgtcccgg gccctgcctg     120
gcagggctcc aaggcacaca ataacgcca ctggaatgtg gtgcagggct ccgggtgggg      180
tgactagaaa agctgccaat tttccatgaa aaccaccggt gagaagcctc agcctcagga      240
aggtgtcagt agagagggct gggttctctc tagcaccaag ggacaggctg tgcgcaagca      300
tgcgcagaag cacactcacc ggcctccttt ggggcagggc tgcctgaaat gaaccggctt      360
cagttttgtg cagctcaagg gcacaaggnt agtgcccttt ncttggncnt gaggcactnn      420
taaatgtagg ttgggcgcgc taanaaagat ccnt                                454
```

        <210> 90
        <211> 873
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 873
        <223> n = g, a, c or t(u)

        <400> 90

```
gttgttattc aatcatccac atttgtaaaa acacacttcg ggtcctcctt gtgtcnggca      60
gtaccatcca ttgagtttca ggaagcagaa gttttaaaag ctnccagcan cntttaaatc     120
cacagctcaa gttgttgaac accttgggaa actaccactt attcacccag aggagagttg     180
attcaagtag ttagtaccnt tntgcatcag aanccaccag ntactgccgg tgagagtcgg     240
taatnccang aactcatcca tgcaggcaaa tttaaggaca cacggcttga cacagagatg     300
gttanatcgg ctgtgacagt tctttagtgg gagacttttg ctttctgaat ccacagggct     360
tactttcttt cttttttcttt ttaagacaag ctctcatttt catcttgaga aaatgtctga    420
tcaagccacc aactgaaaac ctgccattat aaacgaggga tttcacaatg ctcattccaa     480
aatctgcggc tattcatttc tggaagtgac tcactgagga aggacggctg ttgggggtgg     540
gagggagaga tcatttttag gagaccgcct gctctctgag aactgagcag aaaccccaga     600
gtggctagca cgtgtgtgca gcgaccccag ctcagctctc tgagtcaccc cctcccccag     660
```

```
atgacacgcc atgaccagtc tcctcgtgaa agccacttgg tggacaaaaa gccctttggg      720
ctgtgcaccc agcctcacat ctgcctctct gggggctatt ttcacataaa tcaggaggga      780
ggcagcagca gttgcccacc tgttttngac tccgattgct tggggantga aggactttnt      840
naatgtaggt ttgggncngc tnaaaagatc cnt                                   873
```

```
        <210> 91
        <211> 876
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 876
        <223> n = g, a, c or t(u)

        <400> 91
gttgttattc aatcaattct gttgctttgg nccangtcaa acagcccatc cgggatgtga       60
ntatnggaac taacccattt atcctacagc caggaggaaa cccaanggga ggctgaggaa      120
acggctgtgg nttcataaaa ctctttgaat cataccttgg gtgattcaaa tgcttttttac     180
taggctctcc ttcatagtac ctctctgtgg acaaagaccc agtccctttg aaaagcattg      240
aaactcaaac cataccacta tcagtttcag ctttaatata aattagcttt ctaagttcag      300
ctgaccacct ttttcactgga ccttcactna tctcacaggg aagatatatt ttcaacaatt     360
acaaagacat ttctgggttg gactatgcat tcctttggcc agattctaca tcctttttt      420
atgccagaat tttttagcgt tcctgtaaga ttgtcagttt ccctaggaa atccataaag       480
ctttaaatgc cttctaaata gccaatattt taatgagaaa tgtagtcact gatatctctt      540
tgtatttaaa ggttattttg aggggagttg cttggttggt tggttggttg gttggttggt      600
tggttagttg gttggttttg gctttggttt tctgtcccat ggtaatatga tacttatgtc      660
atagattagt taactcaaat ggtctttttca ggtggcagtc ttgaaaacaa ctaacttggg     720
gggaaaaagg ctgctccatg ttctataaaa gctgtacatg tgattttctc tgctttacct      780
tttatactca tttattttgt tatttntgta tgaaagccct tccgtcctga aagacctta      840
cctgtaggtt tggnccgttn aaaagatcnc tgggcc                               876
```

```
        <210> 92
        <211> 459
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 459
        <223> n = g, a, c or t(u)

        <400> 92
aattcagaag gatctcagaa attgaaagca tgtgcaaaga taaagatttg gggtagtagn       60
agtggtcaaa agggacaagg taataatggt aatatgcttt tgtgtatgtg ttctttttaga     120
gttatgttaa aatctagaga agcaaagtcg attctcatag atgcttttag tctttggacc      180
ctgactagag acagtttaca ccctagacaa gagagagaat ggggttgagt aaaacagtcc      240
tcccgaactc tccacagatg ctttggcaaa agaaggaaat gagcttaaac tttttggagc      300
tctcctggga acagaaggag gtgggagacg tcttgcctcc ttgctggctc ctattggaga      360
agtgcttatt tctggttntg ggttttttag gtngnttgtc tgggttcctn gggncctgag      420
ggcacttnna aatgtaggtn tggcgcgcta aaaangatc                             459
```

```
<210> 93
<211> 3133
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 3133
<223> n = g, a, c or t(u)

<400> 93
acccacacnc cnancnacac ccacacacca anccacaccc acacaccaaa ccacacccac      60
acaccaaacc acacccacac accaaaccac acccacacac caaaccacac ccacacaccc     120
gagtgtggtg tgtcctcctc actgagtgtc agccagccct ttcctctact tcaggtaaag     180
gtttctccac tgcctcactg tgtccctgtc acatgggcac aaagccatct cagcagtcct     240
tctcaaggac gtgggtgcca ggtttggaag ctggaatgcc tacatctaaa atcttggcca     300
tgacttgtga caacttacat atacatagac atatatacat atacagctta catagacgca     360
gagcctcaga ctcctctgaa gaacgggttg attctgtgct ctgcagagat gctgggagag     420
tgtataaaaa ggtcaagaaa gcaggcttag aaagaagggc aactctacct agtgtctcct     480
tacaattttg ttttacgtcc tcttctgccc acagagccct taagacactc cctactttct     540
gcatcattcc tggtgtcttg taggaacaag ttagtgaatg atcactctgt aaacacatac     600
ctacaggtcc tccttacctt gggctctgga acaccggtg aagtctgtgg gtaggaggt      660
ctggctgagg ttgagtgtat caagtaatca actggcagta ccctntgggg agtggcctgt     720
ggtttcctgc tcccctcttt gggtgagaaa tcctaggtg gtgggagcca aggcttaggc     780
aaaggttcag gcacagcagg gtgtgggagg gagtgagact atagtagagg tgagtggaag     840
gtatggattc gaagactttc ggattaaaaa aaaagcaaaa aaaaaaaaaa aaaaaaaacc     900
aaaaaccaaa acaaaacaaa aaaccaaaaa acaaaacggt ccaaccagtg agatgtggct     960
tgctctgagt tgctaattat gcagggctta gatctcaaaa acagtctgtg ctctggggcc    1020
actgctgaca tccaagtcag gcccagaagc tcttggtctt catctttcct ttccctctca    1080
ggctgcttga agctgattga ggtattcctt gcttgttcag ccggttcntg atggtctccn    1140
tgttcntccc agttctctcc atgtttctttt tgctttgaag tacaaaggaa tacagttgca    1200
ggggttacat ggcactcccn tattcacttt tagggttacc acaaaagctt gtgattcttt    1260
ccctcnttag gactgagctt ctacccccgc acacaggcct aactttggtt tccccaccca    1320
taatggggca cccacccca ccnccgcccc accccacccc aagaaaaaga aaaaagaaaa    1380
agaaagaaat gaaacggcca gctggctctt acccactttg ggcagcaggt gtttcctccc    1440
tagcttccct tttgcatctc atacttgttg cttgcacacc ctcacccctc tcttgctgcc    1500
tttttcaaat taatagcctg caacttccct tgcatataga gaatggttcc caggttctta    1560
ctgggattag tgaacgctct ttttgttgag gaaatgcttt taacaccacc aagtgctgta    1620
cccctcaaag ttggtgaagc tctagattca ntgggctgta caagggacac ttgggaaaaa    1680
tttgaacagg acaagcctga gggtgtgagt ggggttggct catctacaca ggagctgcga    1740
ntgagaggga aagggccccc aaacatcttt gctaccactg ccttcttaag tttggggact    1800
tggaaatccc gttgtttaga tcttgaccgt aatcaggagt cagcgtagag gaggccccgg    1860
aaggagggcc cagcgcggat tcgcccgcgg cagggcgggg accaacagag ggccntcggg    1920
gatagggag cgccgccccg ccntcccggg gaaggacaca ttgcttgtta gcaggaagcc    1980
agccagaccc ggaggaggcc gctccagcgt tggtgttgcc ggtccggggc tagcctgatc    2040
cgggcagggt gagttgagac gatcgggtga gcttgggccg gggacgccag cgtcttcagt    2100
cctgggggatt gtcccaggag ggcaaggagc ttggaggagg gaggccgcac agctagggga    2160
gtcaggtctg agtcccgagt gtgctctaaa gccggggcgg tgagagtggc ggcccgcccg    2220
gggccgcgca gcgngcagtc tcccccgcgt gggaagtggt aacttaacgc acagccacag    2280
gattcccggc ctttagctgc tggagggagg gtggcttctc ccggaggagt ctgttgtgaa    2340
actcggttgg agggcaccgt gggtgcgggc aagggagaga tggggtcgcc ctgaagaagt    2400
ggggggctgg agtagaaagt ggactttgtg caaacctcac cccagagtag ttagttacca    2460
aggctggttt tttttttttt tttttttgc tcagacacaa ggaaaatttg actcaatgtt    2520
aaaatatgta atttggcagg aaaactttt tcctagcctc cttgctaata tagttggaac    2580
```

```
aggggggctcc caagaggtat agagtccccc attttacaaa atgtggttca gtgggactgt     2640
ggcccaccca gtcgtgtatc catggaagag tggctttttat ggagaagttc attttccttta    2700
accttaaaaa ctgtaaagga tcttgtgctt gagaatattg ttggccagct ttatagtctt     2760
catttataaa actatttaga ctagagtgtt atagattata ggtcttcaag tttccagtca     2820
ccagtccttg gctttttagt atggaaatca ccagtaatgg caatataaca tccctgcttc     2880
tgtttcttag aaggctaaat tacagtgtgt tcaaactccg tgtcattgca acaggttaaa     2940
ctaactttat acgtaggaca tcagggtatt gacattctca tcctaaagtc agtttgtctg     3000
tttccagagg aggaactgaa gcagtggttc tttaagtaac tgactcaggg ctttcctgcc     3060
tggcgcgcct gccaggcata gtgtagcatt gtactgcatc ttctttgacc agtttcccca     3120
ggtgaagagc ctg                                                        3133
```

    <210> 94
    <211> 2161
    <212> DNA
    <213> Rattus norvegicus

    <220>
    <221> misc_feature
    <222> 1- 2161
    <223> n = g, a, c or t(u)

    <400> 94
```
ctggaagctc ccttctcccc tgtactctac tctgcaaatc cctgcaggtg gacactgaga       60
gaagccacac acacctgttt ttgtttttcca tctctgaggg atctgccatc tactgtacat      120
gcagtttctg aaaacatttg tttggcggtt ttctatttgt ttactaagtt agttcagttt      180
tcatcagtgg cacaaactag aagtcattca tatgagtaaa atttgttaaa acgtcttcat      240
aaagtttttca gtttgcgagg agcatacaag gaaagggtcg cttaagtgga aagggagcag      300
gctctgtggc tttctcattc taaccccttgt ttgttcctgt gaggtgtgga gccctgctct      360
gctgctgtct ggacagagca gagatccttg cagcagccac agctctttac tgcagatgtg      420
ttctggggggc ctggttctga ctccttcagc tcctggtagt gccctgcgtg ataataacag      480
cctcctgctc ccagctccag acagctcgtc tttctgttgc agcagcactg tgaacaccag      540
agtgattctg agcttagatt caagatgacc tcacacttat gggaatcctg tgcgtggacg      600
tgttgcttsc tgtttttact gcccavgatc ttccagctga atgccagagt gttgagtgtg      660
cccarcctgg ggtarcccag cttgctccac caccctctgt ggatactcca cccagtctgc      720
tgttaccagg cactggccca gtgaaaatct aaaggtttta ttgtttagta gaaaattaaa      780
acacttacta cagtttgaat gtgttgcaca ttatggtttg aggccaaagg aaggtaggca      840
gaaggaaaac aggaggcaag gaggggaaga aagctggaga gtctggctgg agggcgatgc      900
cctcctggtt ctgaaagagc cacacccctc tgctgccagt tacaggccga tctgctgctt      960
agcaccaccc tgatgtgctc cagcatctcc cgttccagcg tggtttctgg tcgracctttt     1020
attccacggt tacttgaggg gtgtgtgtgc gtgcgtgtgt gtgtgtgtgt gtgtgtgtgt     1080
gtgtgtgtgt gtgtacatgt ctgtgtcccc atgccacagc acttgtggag gtcagaggac     1140
aaaggacact aaattgcttc tcccttttcca tcacgtgggt ccctcaagct tggatcttga     1200
aaacgttact tctagtgtaa ttgtcctaaa agttcacgtg gactttaagt ctcttgttta     1260
aagtctgtag gcagttctgt tcccgcagca cagttcctca caaagccctc tgatggctga     1320
ttcttttgctc ttggangcac aaggctgtgc cgtgcttaag acaggctgca cagcttarga     1380
cttgcactga gggcgttctc gcctggttgg ctcarcatct ggagtatatt ggtcatggcg     1440
agtcagggct cagctctcgg tatttatctt tcagtgcatt gatgtatttg cccttacaga     1500
cactgtacct gaattattta acactgtaat gctagtgcct gatactgaat tcatgactat     1560
aagttcanar ctgcaracac agccttaggt gttaaacagt atatttttaa gagcttcaag     1620
tgcacagaac agtaggggtg cagttttgac ccccctaggtc tggactttga ggttgcatct     1680
catgaatgca gctctgagct gggggcgcca tactctacat tgtaaagtaa tgcacctcct     1740
aactacctgc catggtagca agctccagcc acctgaaaag cagccagccc tcttggggca     1800
gcactgcatg aggaagcctg aaccccagca aaggagcatt gggctgctat gtctgttctg     1860
ctacagcgac aaatcccagt gtgcacttgc caacagctgg aggcatgcca tagccagggt     1920
```

```
ttcagcatgg ctgcccttgg agagaggcgt gcgctgtgtg tgtgtgtgtg tgtgtgtgtg    1980
tgtgtgtgtg tgtgtgtgtg tgttagaata agcaactact gacaaattca rgarcataaa    2040
cattatggaa attttttgt gtatgtcatc attttaattt taaaagatgc cttattttct      2100
cctcttggaa ctaaagagat tatatttcac tttataaaga aaaaaaaaaa aaaaaaaaaa    2160
a                                                                      2161
```

        <210> 95
        <211> 824
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 824
        <223> n = g, a, c or t(u)

        <400> 95
```
ggggggntttt cnnanntanc aaaaantngn tntancanng antnnttgag ntgttgaagn     60
aangnggaaa angttttgaa atcantgtaa tgaggttcca aaaattgagc aggaaattgg     120
atgntgtcag gagaaacccn ttcagtnttg tgcaattggt tcgccagcag ttaggaccgn     180
ttccccatca cttgtgccag cggacatcca gntattgagc cntgnatcat ttatggnaca     240
aattaggaac acacaacaga gatccgcttt ntgactgcca tgttcgccaa actcaattgg     300
gggaagtaat cctccagacc gttccgtttg cacgtntagg aagccacagt gaaaacacaa     360
aattcgtgga ggcgactcta accaggaagc ctaatcccnt agattcccgg gacactgggg     420
caggcgtcct aaaaacagct ttgtggggct tcagtcctcc gtgcggttcc agtccgggtc     480
ttggggatcg ccctcgcggg gaatgtccgg gactccggtc ggtatctttt tggcctggga    540
atttccagcg tgtggaaaaa gtccacaaac ttagtcctca ctgcccgcct cgcctcctcc     600
ggcccttctc ggtgcccacg cacccccga tcgaacccga ggatgagcat agggtgtatt      660
ttaggcgtgc tgggcttccc cgcccccctc tgcccactta gctggcaaga agaaagccag    720
cactataaag gaggccaggg ccaaggactg gcctcctctt gctcacgagg tcagacgcga     780
gctctgaaag acttcacctg taggtttggc aagctgaaga gatc                      824
```

        <210> 96
        <211> 774
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 774
        <223> n = g, a, c or t(u)

        <400> 96
```
gaggggganna ncancaggac caancngata aggggggtcaa caacntgngt tccncccntt     60
gagngggaaa tgagcacgng gcantccaac cgntcaaggt cccgnttcgg acggtcacac    120
antaggttnt catntggatt gccngngttc cngttggcat ccgggaaaan tgagactgtg    180
tcggtaccag agntaggatg gccntccttc ccngccccgg ccttnttggc gccttgcgat    240
ccttcccgaa ccggcccntg gcgtctccgc cttnggcact tgcacatntg gcggcccagg    300
atggcgcttc cgggatggcg ccagcgcgcg tacgtcatca cggagcgtcc atgtgttcct    360
tctgtccaag cgcntaggag cctgcgcgta ctcccagcaa ggaagatgta ggaccaaaat    420
gtagaagcac ttaacatgaa cgtcaaaacg atgaccaatc acagggcgat atatgcgcat    480
gcgcaatgtt ccaatcatgg ctcataagca atccggaagt ggccaattaa atatactatt    540
tactaatcca gggttacaca gtgaaaccct gtctcgaaaa ataaacacag ggctggagag    600
atggctcact gattaagaac actgactgct cttccagaag tcttgagttc aattccgagc    660
```

```
aagcacatgg tggctcacaa ccatctgtaa cagattctgg tttatgtnga gacaactaca    720
gtgtactcgt attgaaagnt ncccacctgt aggttnggca agctaaanga gatc           774
```

```
        <210> 97
        <211> 248
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 248
        <223> n = g, a, c or t(u)

        <400> 97
tgacacttca tggaaactga daccgggagc ttccaccaga aggcactgcc cagtggagaa    60
aaccgacttc tttttgttgt tgttctgatg ttttgttttt gagataaagg tctcactgtg    120
tagctcaggc tggttttgaa atcaggatcc tgaccctcag gaatgttaaa gtgcctaaaa    180
gtggngacaa attattttac gtgcctttga aagacttcac ctgtaggttn ggcnagctag    240
aagagatc                                                             248
```

```
        <210> 98
        <211> 880
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 880
        <223> n = g, a, c or t(u)

        <400> 98
aanatggntt ggttntaaag gttaaaattg gggcaaaatt tttccgcccg ggtccttaaa    60
ccggattaac tccaaggcca aaattccgag ggggaatcaa caacaaggac ccaaccggat    120
taaggcgggt tcaaacaaac ttggatttcc ngcccttttgg ggcgggggaa atgggcacgg    180
gngcattcca agcngntcaa ggttccggct tgcggacggt taacacaant aggtttctca    240
tctagattgg ccngcgttgc ggttgagcat ccgggaaaat tgagattgtg tcggtaccag    300
aggtaggatg ggccttcctt cccngccccg gcttcctggc gccttgcnat ccttcccgaa    360
ccggcccttg ggtctccggc cttgggcact tgcacatctg gcggccagga tgcgcttccg    420
ggatggcgcc agcgcgcgta cgtcatcacg gagcgtccat gtgttcnttc tgtccaagcg    480
cttaggagcc tgcgcgtact cccagcaagg aagatgtagg accaaaatgt agaagcactt    540
aacatgaacg tcaaacgat gaccaatcac agggcgatat atgcgcatgc gcaatgttcc     600
aatcatggct cataagcaat ccggaagtgg ccaattaaat atactattta ctaatccagg    660
gttacacagt gaaaccctgt ctcgaaaaat aaacacaggg ctggagagat ggctcactga    720
ttaagaacac tgactgctct tccagaagtc ttgagttcaa ttccgagcaa gcacatggtg    780
gctcacaacc atctgtaaca gattctggtt tatctggnnt cnactacagt gtannggcat    840
tgaaagatnn tacctgtagg ttggncagct aaaaaggatc                          880
```

```
        <210> 99
        <211> 864
        <212> DNA
        <213> Rattus norvegicus
```

```
        <220>
        <221> misc_feature
        <222> 1- 864
        <223> n = g, a, c or t(u)


        <400> 99
aattttaant tgttggnata anggcttgnc catatccttc ctnttgtttg ccctaagtaa      60
cagccaattg ggggagaant tttntgtcag tatcatattt ttcgttaggg aacggaggcn     120
caggaantga tccntntggg ttacagtcat tttagcatag gntgacagtt ggngaccaan     180
tnatcttgcc gtgttggaag gagaggggan taaggntgaa gctcttgagt ccnttgangc     240
ccttggaatc gggaantccc ttaaaccaac cccttttgcc gttgaattgc accaaccaga     300
ttcttccagt ctgcttgagg angacaggac ttcattgctn tggagagggg caggagggtt     360
gggagttgac ntnacagggc tcagggattc ttttagaagg gtccaggttc atggcttccc     420
cccccccccag ccaggtcaga cactaaagtg tcttaagccc ctccatactt gccgctcccc     480
cacnttggat gaagccggcc attaggcagg gaccgtctct gggagaggcc aagccctctg     540
gctcacttgt ggatttcctt taagcaagac ttcctctctg cttccaggac tcctgtcaaa     600
caagagggtc cctggcttag agtttgggag ctgcaggcag aacagacatt ccccgatgac     660
tcacaagcct ggaactctgt gggccagcag gaatggggat ggctttctgg tcagtcaggg     720
tcaactggga cactcactct gagacaggga ggcaagggag aaacaggtca gaggtagaga     780
gagctcagtc ccagggactc acgttgaggt ccctaaggtg cgctagggag aggnttttac     840
attcggttng gcaagctaaa agag                                           864


        <210> 100
        <211> 874
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 874
        <223> n = g, a, c or t(u)



        <400> 100
gaggttggac cacaaggagn ttggnggaaa atnnaaaagt caacctatca gggtgtcttt      60
tagtttggaa cagaggcttg ggcagaaata tgggcaagta ttaggaaagt acaaggggaa     120
atgttgtcaa cgcgnttgtt ttcccagttg ttgnactgat cccnccagga tgtttttccca    180
cntatgntat ggaaccntct ctttcaggaa gccattntna ncntatggnt tgcaacccct     240
ttggggtcgc aacagcaggt attaacatta ggattcataa cgntagcaaa atnacagtta     300
tggagtagca atgaaataac tctatgnttg ggagggtcac cacaacanga gggacggtat     360
cacaggnttt tagcattagg aaggttgagg accttatttc agagtgtcnt gacaatcntt     420
cntgggacca cttgacttna tctggagccc tttccctcac gctcntactc cttaccatct     480
ctgcacagct ctntgaggct tagagcggtc tttcttcata gctttccntt ttccttcagg     540
tatgcagtca catcttgctt tagaccccag ggacattccg tgtctgactc actgcacaaa     600
atagtttccc acatatgagt cctcaaccgc cccacatcac gagacggaca agaccggaga     660
cgccatacat tctgtatttg ccctccttcc tcatttaaat aggaatttgt tgctgtttaa     720
tttttcatta tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg      780
tgcgcgcgca cgttaatatg ccgctcagaa tagtctaaaa ctgctgggct tgaaagacnt     840
ncacctgtag gtttgggcna gctaaaagag tatc                                 874


        <210> 101
        <211> 886
        <212> DNA
        <213> Rattus norvegicus .
```

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```
<220>
<221> misc_feature
<222> 1- 886
<223> n = g, a, c or t(u)

<400> 101
atttttnaat tgcagcaatc ctcctgcctt ttttcttggt tgttaantca caggatnttt        60
gcacacttga ggttgaantt gcagcaatcc tcctgctttt gtttnttggg cgcttggatt       120
atagtatgtg cataacactt gagcagtaac tgttttcttc aatctcattt atctcagaag       180
ttccccttgn tgattcagac gttattaatt aggcaaacca atgttgattg tcattaccca       240
tgagttgctt ggcttgtgag atgcatactg tgtgttcgtg aggcacntac tgtgaggcat       300
gtgcccgtga ggttcatggc tgtgaggtgt gtgcccgtga ggttcatggc tttctngacc       360
acngggagta tgaaggagag gaatcctacg tttgatgcca gccagggtta tacagcaaga       420
tcccgtctca aaacaaaatg aagaagtaga gagattagtg ttaataagca actgaggcct       480
tgaagggctg aggtcaggcg gtgccctggt gcacacacag aagcgtgcca gtgacgtcag       540
acagactcag ccctgtgtca gacaggccgg agggtgactg gccatgtggc gtgattggac       600
acattcccaa aaaaggaact cgatggaaga ggctcctcnt gctccagaca gggcggtggt       660
tatgtgactt gtgcgagatt agtctcatac cctattgcta gcctgtgcct ggtaccacgg       720
acatggtaca atccagggag gagccgtaag cactacaggg gagccatcct gaatcccagc       780
aagtccaact tctgtttttt cttccttccc cgcaacatta ggaatgactt ctaagagngc       840
tgttgaaaga ctttcacctg taggttgggc aagcttaaaa gaggat                      886


<210> 102
<211> 865
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 865
<223> n = g, a, c or t(u)

<400> 102
tggaggtaaa agtcacaagn ttttcaaggg tttgagatga cagttcaacg tgagnattng        60
acaaggattg attcttgtnn acaggaaagn tccccatccc accaananac accgtgttca       120
ggcccantgc tcagagctcc gggcgccagc gaagggcaaa cggccactga ttggaaagnt       180
gcagtttaaa gacatgtccc aggaactggt anccttgtgt gactggactt agccttgcaa       240
ntctgtctga agcataacnt gntgctgtct ntgggcgagc atttatgtgc cccacttgag       300
acccatctca ggacacgcag gacacggtcc agtggagctt tccctccaga gagaggtgtt       360
agggnccatc agtgagcttc caaggacagg ggaccagaac ggtgaaaaca aaccagggct       420
gtgaaggaga gcagggcggg gggggggga ggggggcgc tctntagaat agattgaacc       480
tgcagagctg cttgctacct gaagttgtca ccctttacc cacccacntc atctgtctct       540
gcttgaccat ctcagcaagt gtcacctcgc tgccaggaca caagtttcct aaagcttatt       600
tcagtgtcag ccgctgggga gacacattca gggcatgggc gtcccccagc cctcggggag       660
aatgtgggag gtggcgatgt gggagggatt cgagagaaga gaatgcttaa gaaccatcca       720
gggaacctgt gcgtttgaag gtctgagtta cacacaggct gctcaggaag gagctagagc       780
tccaaatagg agctgtgatc aggctgtgtg tgtgtgcctg gtgaaagact ttnacctgta       840
ggtttgggcn agcttgaaaa gtatc                                             865


<210> 103
<211> 859
<212> DNA
<213> Rattus norvegicus
```

```
<220>
<221> misc_feature
<222> 1- 859
<223> n = g, a, c or t(u)

   <400> 103
cangagcant ntgaancagg catttntgga agggctccng agaaaacacg tggaattnct    60
tgtctctggg actttagtnc cagcnaggan gatncagtga gggaacacac cgggcttttg   120
ttgtgcacgg gaggccaggc tcancnncct tgggagnttg acatccagca ggctatanac   180
agtgatccag gggacatgta cacatgggga actgnccagg cagagaaaga caagagaaaa   240
tctcaaanga tgaagacaga gangagtaat atggccagaa ngatacagtg cctcntgcat   300
aacccttgag tttaatttcc agggtcaact gtattttgaa agtataaatg aaagttcctg   360
aagtaataaa tttataggat gttagtatca cactgttcag aatagctcaa aaaatcctgc   420
cntgtcctct taagtatgtg aatcatcttt tactgcaacg tgtccacaat gtatatacta   480
catacccaaa agtcctcact gttatcccaa ttagtaggct ggctgccaat agttgtccat   540
acagagtgcc tgctgctgtg gccatccnta ctgtagtaaa cagtcatcca aagctcagga   600
gtgaggctat tgtagaaatg cacttcctgg gggccctact gtcagtgagc acctgagaga   660
gaaagggaca caggcccaag gtgggaggcc ttagataaag gcccatcatg ctcaggaaag   720
gatttntaca gatctcttag ggaagttaca atcaaattca tacctcacag cagagctcag   780
gagaagaatc cataaagnnt gaagacatgc ttgtngtgnc tgaaggacnn tacntgtagn   840
tngggccngc tgaaatttt                                                859


   <210> 104
   <211> 883
   <212> DNA
   <213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 883
<223> n = g, a, c or t(u)


   <400> 104
gggggggnnaa naatttccca aaaanngnng gncccntttt ttatccagtt tnnggttgaa    60
natctcnccc cggtttnaaa acccncaatg gggaaaaagg tacancngat tntttatngg   120
tttgggcgga gggggaaatt tttttggttt ttttntttnn gggatttttg aaaaaaaaan   180
gaantttta ggtttcccnn angtaattta tttcaatgga ccatttttgg ggttctccct   240
tttgtaanan gttaaaaana agggganttcc aannttnctt ttcagtttcc agtttcacct   300
tcngtagcag acccagtttt cattttgagn tggtnccnaa aaggnttccc aactatgttc   360
aataccacag gcagcctgca ggagggagaa tgggtatgta tttaacagca tttgaccaaa   420
ttataagagc agagaggagc tttaccaggg acaggaaggc aaaagagctg aatnttaaac   480
aaaagaataa gaacaggatn tcatctgtga gctgtcacag tgggtttgca gagcaggaga   540
acacagacag gattagctat aaagttgtta cattagttat tntattggag catacaatac   600
ttaaatagtt ctagggcaag agaaatgaac agaaatgacc ttataagagc cagagctgta   660
gccacagctt tctttgtgct tagtttgnta gttcantctt tccagggcag tctggtggat   720
nacaccaaat tgctttagaa aatgctagnt ctactgtccc tgtctattgt cagctttgca   780
atgtgcatag tgacaggagt tgcctgggag cttggggctt atgttttgca gatccattgt   840
aattaaaaaa gaattgtaag gagatggagg cacggggtga ggg                     883


   <210> 105
   <211> 987
   <212> DNA
   <213> Rattus norvegicus
```

```
<220>
<221> misc_feature
<222> 1- 987
<223> n = g, a, c or t(u)

   <400> 105
canntttccc ntanccgaaa ntttnttttt ggcccaaccn gtaagacgga tttttttncaa       60
ttgcggancc aatggaaccg gtttgccggg nngtnttttg gggtgaacgg tttnttaant      120
ggngccaaan aaggttnatt ggaggncnta tttgaattgg tntgtaaanc ntttncttgg      180
aaaaggnttg tagcnttaan ccggcaacaa accaccggtt gtacggtgtt ttttgttgc       240
agccgcagnt tangggcaga aaaagaattc aggagatcct taancttttt nttcgggntc      300
tgacgctcat gttgtgtgga tttntgagcg gttacanttt nacacggaat tctattcact      360
ggcatgactc acttccccgg gttcatgagt cagcagtgag ttatctaggt atgtgttttg      420
tgttgcaaat tcccatatat agaatatggt cccggggacc atagaaagtt gagcagttgg      480
gcaaaattct tccccaggag gtgtgttcaa gagaagaggt tcagcccttg aaagagcttc      540
cgtttctatc ntcacaaaca tcntgaaaaa taggctaaat gttattctgt gaagagtcat      600
tactggtttt actgatggtg gaagttctca gactgtctag aaaggtaatt ttaaaacgta      660
agaaaattag acccctgtcc ccagatctgt tggtgttgag aaatctgtag aaacttgagc      720
aggaggaagt acaagaaagt atgtagctat tgtaatccct ttcaggaagg atgtgtttaa      780
agctctattg ttagggcctt tcgcttgcac tgtgaagtaa ttttttactt tttataagct      840
taaaggatgg cttaataaga cgtcttagaa atgtccacat tatattggat caacaaacgc      900
caaagcatca gtttgcgtca ggggccacgg ggcatgggga ctaacggttc attcttttgg      960
aatctggatg cctaggtgca gtagggc                                          987


   <210> 106
   <211> 1031
   <212> DNA
   <213> Rattus norvegicus


   <220>
   <221> misc_feature
   <222> 1- 1031
   <223> n = g, a, c or t(u)


   <400> 106
agtcctgccc ccntgggaag ggtaaccttg acctaacccc cnaataantt nccccttagga      60
ttgcttggca tggnttttac gcgtaaccct antaaaactt tgangaaant tccttccctt      120
tgattctagc aatgnaccgg cattttgcca atcnattcng ctgnantaat tatgaagttc      180
cggtttaanc aatttgaagt ttaacattca tgtatcttca cagtcatgtg tttttgtgta      240
tgatgaaacn ccatgctgtc ttgcnccatt tgntcaggan tgagtcattt gtctagcntg      300
nccatgctgt atatgctacc natccatcag ttattcatag ccagcttggt tgtngactaa      360
caacagtagt ttcacantgc tttgtgttaa agtcaccttc agtttattta atgttggcac      420
caaagcacat gntagtgatg tcagcantgc tgatatgcca gggaaaagcc attaggtatt      480
cctttatgtg taaaggttga aaattgttga ttgaatgaag ggaaaaatta ttctgctgat      540
tgatgttggg aagggcatta gaggatcata ttactagttt ttgactaagc tctgaagttt      600
gtacatgaat ttatggatcc tccctgcaat agattcctga tgctctctaa catccatctt      660
ctcatatgac atccttctgg ccagatatct agctttattt tctctactct gctgcaccac      720
tgcctctgcc tttggggatc agtccccata gaatgggagg aaaacaatgg cctccttaga      780
ccatgaatgg ccttctctca gtaccatgaa gaatcgggcc atcttgtcag agggaaattt      840
tccttacatc ctcagtcact gtttctgtca ccattataca ttatatgttt gcctaagagt      900
gagggtgatt tgtgtagtaa ggaatgtatg tgttgttgtg gtagtttgga tgagaacggc      960
tccccaaagc tcatgtattt gaatggntat gaaagacntt cacctgtagg tttggcnagc     1020
tagaaagagg a                                                          1031
```

```
<210> 107
<211> 1138
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1138
<223> n = g, a, c or t(u)

<400> 107
caancaccnc ncggananga ncccggnnga anngagaccg gncanacacg acgngancag        60
cgaagncanc ncgnnnnngg cncgncagag cgnncgancg cgacnanagn acgncgccga       120
nangannnaa nccggngnna ncanncagnn gggaaacagc ccagagagat aggacancaa       180
acnaganagn acacancgng acgagananc ccgaaagnnn nanacnnana nanaannaag       240
agaanagnnc aacnnnnnca nnnngaccng gaanagggnn nnngaacngc nancnnccna       300
gnngcgngan cnanacacga cngaagagac gngngcngaa naganacncn gaanngnaac       360
aagangnana annngacagg aancacnnag nagggngngg gcaagcgcaa ngnnnganaa       420
nnnacaacag aaaaagannc anancanaag ngncgagagn annagaanna gngaaanncg       480
nanncgcncc gaagaagaac gnnggacaaa naccgacgna ncnnnnncan ngannaaanc       540
gcangnancn gacnaggaac gacngnaagn gcnaagnnac ganngncaga nnanangaaa       600
cacgnnnnan acannnaccn ancgcagcgg nncaggaaag nggngcnacn gaggngngcc       660
aanaaganaa nngngagann acaaaaaaaa nggnggncan gcagnanaaa accgagnncn       720
nnnnnannna gaganagaac gagannnang nncgaannac gcgnacaaga angggaannn       780
cgnangacgc nncggaacaa ngaccnnnnn aaanncagnn anccaacnag gnaannnaga       840
nnnagngncn ccanngcaag cncncacnaa gaagaagana ccccccccccn annangnagn       900
aagcnccncc ngngaggnaa cncgagaccc cccngnaggc agcancgcca agngnagcgn       960
ncagagnacn nanntaacag accgaaggaa nagccgnaaa acaccaaana cnagacnacn      1020
agcnagnccc gcgcacnnng gagnaancna ccnncnaang acngananeg nggnccncgc      1080
tnttnngttn aacgcancnn ggggcggccc nnnggaaacn cnggggggaca aaaggcgg      1138


<210> 108
<211> 1072
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1072
<223> n = g, a, c or t(u)

<400> 108
cccttnaant gggnccccaa ngggnntccc ccccagggt tcccccccccc cctaaanttg        60
cctttntaac ccagggntgg nnnnntggaa tttttgaann tggaggntcn nnngnaacat       120
tnccgggatt tttgaggagt ttgaatgacc ggaattntac tttttgggtt ccggcnggca       180
ccccnntccc ccaaggttna gngagttttg aaggtaaaag tcacaaggtt tttaaagggt       240
ttgaggatga cagttcaacg tgaagatntt gacaangatt gatttttgta nacaggaaaa       300
gntcccnatc ccaaccaana aaaccgtgtt naggcccaat gttcagagct cngggcncca       360
gggaagggca aacgcccaat tgattggaaa gctgcagttt aagacatgtc ccaggaattg       420
gtaccttgtg tgattggact tanccttgca actttgtttg angcataact tgntgtgtct       480
ttgggggagc atttatgtgc cccacttgag acccatntca ggacacgcag gacacggtcc       540
cagtgagctt tccctccaga gagaggtgnt agggtccatc agtgagctnc caaggacagg       600
ggaccagaac gttgaaaaca aaccagggtt gtgaaggaga gcagggcggg gggggggga       660
ggggggcgt tctctagaat agattgaacc tgcagagctg cntgctacct gaagttgtca       720
```

```
ccctttacc cacccacctc atctgtctct gcttgaccat ctcagcaagt gtcacctcgc      780
tgccaggaca caagtttcct aaagcttatt tcagtgtcag ccgctgggga gacacattca      840
gggcatgggc gtcccccagc cctcggggag aatgtgggag gtggcgatgt gggagggatt      900
cgagagaaga gaatgcttaa gaaccatcca gggaacctgt gcgtttgaag gtctgagtta      960
cacacaggct gctcagaagg agctagagct cccaaatagg agctgtgatc aggctgtgtg     1020
tgtgtgctgg tgaaagactn ccacctgtag gtnggccaag ctaaatgaga tc             1072
```

        <210> 109
        <211> 1094
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 1094
        <223> n = g, a, c or t(u)

        <400> 109
```
ggtttngggt ganatcctcc caatgccnan aanttccctt ttttaagatt ttttttttcc       60
gggaaaattn taaaantttt aactggggtg gnaaataata aggntgtttn tggggttggc      120
ccaatttttg nantttagga aaagttcttt gggtnaattc cagcnttgat tggaggagca      180
attatnttgt tanaanttat ggttgtgggg atgcttgtta aatctttag atgtttcccc       240
ttctgtctcc cttttggaat ggtcttaata ggttgcnaaa attntacntn ttggatcagc      300
tttttnatna gatttagccc agtgtgctna ncttgtgaga cccntttnac agganttgct      360
tggnccattt gaaacacgta tttatgtcan gattcataac agtngcaaaa atatagttat      420
gaagcagcaa gaaaatcact ttatgnttgg aggtcaccac aacatgagga atgtattaan      480
cgcagtatta gagagttcga ganccactat cttngaggat gcgttagact gatgtttccc      540
ttctcgcttg gagttgacnt tgccantaga gggcaacagc atcagtattg ttcccagtcc      600
ccntcacant gattcgaact ttaaggacac tgatctctgg ctggtagagg gttcagcaca      660
cataccagag ttacgagtca cgtgccagaa gggcaaactg aacacggaat tagagggaac      720
tcgatgtctc cggcttgcac tggtcttctc ttgcactaga atcnttcatc ntgctcccag      780
tccgggacgt ccaggcaaca agggcgtgga aagtgagggg gctgggaggt gtgtttgcct      840
tgcctcaggc gctgggtggg gttggggcgt gccagcactc cctgggcggg cctcaccgat      900
gctggccact ataaggccag ccagactgcg acacagtcca tcccctcgac cactcttttg      960
gcgcttcatt gtcgagtgtg gtgagctctc actggggcgt ccctctaaga tctgtccact     1020
cctggtttta ggggttaagc ctttcgtgcc cctgaaagtt ncccacctgt agtgggccaa     1080
gctaaaatga gatc                                                       1094
```

        <210> 110
        <211> 1107
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 1107
        <223> n = g, a, c or t(u)

        <400> 110
```
atctcattta gcttggccca cctacaggtg gganactttc aaacctgtgg gagacccctt       60
tcacaggaat tgcctgagac catctgaaaa cacagtattt atgtcacgat tcataacagt      120
agcaaaaata tagttatgaa gcagcaacga aaatcacttt atggttggag cgtcaccaca      180
acatgaagaa tgtattaatc cgcagtatta gagaggtcga gaaccactat cttagaggat      240
gcggtagact gactgcttcc cctctcgctt ggagttgacc ttgccactag agggcaacag      300
```

```
catcagtatt gttcccagtc cccctcacac tgattcgaac tttaaggaca ctgatctctg    360
gctggtagan ggttcagcac acataccaga gttacgagtc acgtgccana anggcaaact    420
gaacaccgaa ttanagggaa ctcnatgtct ccggcttgca ctggtcttct cctgcactaa    480
aatccttcat cctgctccca ntccgggacg tccaagcaac aaaggcgtng naanttaagg    540
ggctgggaag tgtgtttgcc ttgcctcaag cgctgggtng gggtttgggc gtgccaacac    600
tccctgggcg gggctcaacg atgctggcac tataaaggca accagactgc gacacaatcc    660
atccctcaa caatcctttg gngcctcaat gtcnacntgt tgtgagctcn cactgggggng    720
tcccncnaaa tttgtcactc ctggtcnaag ggttaaaccn ttcctgccna tcaacctctg    780
cnggctcaat ggtggaatgc actggattca aattttcggn gcccaaggaa acaaggaaaa    840
ccagggctgc tnggctgtnc aaaaaaancc cagggtaagg gancccatgg gngggaanct    900
aaacngcntt tctnggggtc aagaaggggtt tccccggggg tgtnaacccc ccccaatntt    960
tggcccctca ggaggnttca ngggaanccc cattccttcc ttgccaatca aaagccccat   1020
ttccttgaan ccnggggggaa nntttaaaac ccnaanccccc tccattntta acccccccca   1080
atggnccngn ngnaccnttg nnntttg                                        1107
```

        <210> 111
        <211> 1069
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 1069
        <223> n = g, a, c or t(u)

        <400> 111
```
aattttttttt nccggnaaaa ttttnaaant tttaantggg ggggtaanna nnaaggttgt     60
ttctgggntt ggcccatttt tgcacattag gganagttnt ttggggtaaa nttccagcng    120
ttgattggag gagcaagtga tnttgttana atttatggtt gtgggggatg ntgttaaaat    180
cttttaggat tggttccccct tntgtctccc tttttggaca tggntcttan ataggtggnt    240
caaaattcta cntnttggaa tcagcntatn tcatcaggat ttagcccagt gtgntnaacc    300
tgtggagacc cntttcacag ganttgcttg agaccatttg aaacacagta tttatgtcan    360
gattcataac agtagcaaaa atatagttat gaagcagcaa cgaaatcact ttatggttgg    420
agcgtcacca caacatgagg aatgtattaa tccgcagtat tagagaggtc gaganccact    480
atcttagagg atgcggtaga ctgattgctt cccntcttcg cttggagttg accttgccan    540
tagagggcaa cagcatcagt attgttccca gtcccctca cactgattcg aactttaagg    600
acactgatct ctggctggta gagggttcag cacacatacc agagttacga gtcacgtgcc    660
agaagggcaa actgaacacg gaattagagg gaactcgatg tctccggctt gcactggtct    720
tctcttgcac tagaatcctt catcctgctc ccagtccggg acgtccaggc aacaagggcg    780
tggaaagtga ggggggctggg aggtgtgttt gccttgcctc aggcgctggg tggggttggg    840
gcgtgccagc actccctggg cgggcctcac cgatgctggc cactataagg ccagccagac    900
tgcgacacag tccatcccct cgaccactct tttggcgctt cattgtcgac gtgtggtgag    960
ctctcactgg ggcgtccctc taagatctgt ccactcctgg tntaggggtt aagcctttcg   1020
tgccctgaaa gatttncacc tgtaggtggg gcaagctaaa agagangcc                1069
```

        <210> 112
        <211> 1058
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 1058
        <223> n = g, a, c or t(u)

```
<400> 112
caggtttttgg gttttccaag gncccccccc tgggggttac aaaatggcgn nnantcgngg      60
tgggaaccng acgggtttaa gntaccgggt ttccccntgg agtccntggg ggttcctntc     120
cgaccttcgg ttaccggtac ctgcccnctt tttcctttgg gagggtgggn tttttcatag     180
ctcagctgta gtatctcagt tcgtttagtc nttngnccaa gttggtttnt gcaggacccc     240
cngtnagccg gaccggtgcc ccttatccgg taatattgtc ttgagtccaa ccngtagaca     300
ngattattgc cattggcagc agcaatgtaa caggttngca gagcgaggta tgtaggcggt     360
gtacngggtt cttgaagtgg tgccntaant tacggntaca ntngagggac agtatttggt     420
atttgcgctn ttgttgaagc cagttacttt nggaaaggag ttgntagttc ttnatccggc     480
aaacaancca cngttgntag cggtggtttt tttgtttgca agcagcagat tacgcgcaga     540
aaaaaagnat ctcaggaaga tcctttnatc ttttctttcg gggtctgacg ctcatgttgt     600
gtggaattgt gagcggataa caatttcaca cagaatttct cttagaaaaa tctgtccttc     660
agaaacttaa attctgctgt tccataacag aagtcagcaa gtgactcacc ctccagatac     720
aggtatatta cctccactcc catccacaga gacttaattc tagtcagctt catgatagtg     780
agccttcatc cgtaaggagc tgtatggtat gggaagggga tacagacagg gccaggggtg     840
ttttttaaacg gtaacccagg gaccacatcc attaaaaaca ctggactgtt tgtgagagtg     900
tatattcctg agcattgcct atcccttaag gtactacaaa atttgggagt gaggctcagc     960
aaactatttt aacatgcctc tcccacccaa ctactcaaga ttccccgtgc acagttgaaa    1020
gntttnccac ctgnaggtgg ggccaagcta aaagagat                            1058
```

```
<210> 113
<211> 1046
<212> DNA
<213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 1046
<223> n = g, a, c or t(u)


<400> 113
cannaaaann agttccaagg aantggntgc ccngaacaag gacccaaaac ntgnnnnana      60
anggggggann naanggcana annnatggac gagagtnaan ancgcnangn agaagantna     120
aaantcncca nntggngccc caaatnncnc aattgancca aancnntaga ggnncccaag     180
acnaatgggc actntganna gancnggcca gaagncaagn gggggannnt catagnnaca     240
tggnanaaat aaagntntgt aaacccggan tggcaatnga aaccagcaaa gacccatgaa     300
cgtgagngan accagttgga aacaatgaan nnantgggtn antnacagga atgnggtnan     360
gacgcnnagt gancccaaan aggcaacncc attgaaagcc ttcncccnca tggaaatact     420
gtannttaaa caaacaaaca aatnacaaaa anaaaaaaacc caaagcttaa gtggagtgcc     480
cnttccagnt agccaccnnn taagaactgt aaatcgcacc ntcccangcc agatgcaggt     540
aaggnaggat tacaggnatn tcggagggct caggagggaa tgggtcncaa nntgagctga     600
ggcncnggtg anttncgcta cntcgnaaaa aangagaagt catgtgggac gnatgtgtgt     660
aagcacagct cntgtgangt caagtcagca acantatgcc atactctgaa gacagaggnc     720
cataatagna ttgttacang atncnngact tttanaaaan caaaatccta aatcctattc     780
tccgtgggcc cacacgaaac anccatccat caggatcatc tcacagttgc ctctgannnt     840
tngtnttctn ggaancntan gntntcggag ttggggaccg aactcagggc cgtgtgcttg     900
ctaggcaagc gctctaccag tgagctaaat ccncaacccc cacagntgcc tcntntgatt     960
gnaggtntcn tatcccnttc ttttgtggca agntcttctg ggccccntga aagtgaannc    1020
acntaagngg ncgccagcta agnaga                                         1046
```

```
<210> 114
<211> 1083
<212> DNA
<213> Rattus norvegicus
```

```
<220>
<221> misc_feature
<222> 1- 1083
<223> n = g, a, c or t(u)


<400> 114
ctcccnggcc ccaaaaattn ttttanaaan ttttttttttc gggnaaattt tnaaaatttt    60
aagnggggggg aannacaaag nnnnttntgg gntggnccaa tggggaaaat taagnnnann   120
ttgnntgggg tgaattcccg ccntngnttg gaggaggnaa ttatnttgta gaaatttatg   180
gttgtggggg atnttgttaa atcttttgaa tgtgttcccc ttntgtttcc cttttgggac   240
atggntctta ataggtggnc aaattttacc ntnttggaat cagcctattt atcaagatta   300
gcccagtgtg ctcaaccttg tggaacccct ttaacaggat ttgcttggnc catntgaaac   360
acagtattta tgtcaggatt cataacagta gcaaaantat agttatgang cagcaagaaa   420
atcactttat ggttggagcg tcaccacaac atgaggaatg tattaatccg cagtattaga   480
gaggtcgaga accactatct tagaggatgc ggtagactga ttgcttccct tctcgcttgg   540
agttgacctt gccactagag ggcaacagca tcagtattgt tcccagtccc cctcacactg   600
attcgaactt taaggacact gatctctggc tggtagaggg ttcagcacac ataccagagt   660
tacgagtcac gtgccagaag ggcaaactga acacggaatt agagggaact cgatgtctcc   720
ggcttgcact ggtttctctt gcactagaat ccttcatcnt gctcccagtc cgggacgtcc   780
aggcaacaag ggcgtggaaa gtgagggggc tgggaggtgt gtttgccttg cctcaggcgc   840
tgggtggggt tggggcgtgc cagcactccc tgggcgggcc tcaccgatgc tggccactat   900
aaggccagcc agactgcgac acagtccatc ccctcgacca ctcttttggc gcttcattgt   960
cgacgtgtgg tgagctctca ctggggcgtc cctctaagat ctgtccactc ctggtttagg  1020
ggttaagcct ttngtgcccc tgaaagtttn ncacctgtag gtggggcaag ctanagagat  1080
ntt                                                                1083


<210> 115
<211> 913
<212> DNA
<213> Rattus norvegicus


<220>
<221> misc_feature
<222> 1- 913
<223> n = g, a, c or t(u)


<400> 115
ggggaaaaaa atntgggncc cttttnaaaga aattctggaa anccgccggt ggggnatttt    60
taanataggt ggggnccnaa aancttgatt ttcccttttc cctttgantg nntaaagttg   120
cnaanttccc tttggacgcc ntttacaaga ttagccngtg tgtaaccttt gggcccttta   180
acaggattnc ttggccntnt gaaacacgta tttatgtcag gnttntaccg tngcaaantt   240
ngtttttgagc agcaacgaaa tcactttatg gttggaggtc accacaactt gaggatgtat   300
taatccgcag tattagagag tcgagaacca ntatcttaga ggatcggtag actgatgttt   360
cccntttngc ttggagttgn cttnccacta gaggcaacag catcagtatt gttccccagt   420
cccccctcaca ttgattcgaa ctttaaggac actgatctct ggcttggtag agggttcagc   480
acacatacca gagttacgag tcacgtgcca gaaggcaaac tgaacacgga attagaggga   540
actcgatgtc tccggcttgc actggtcttn tcttgcacta gaatcnttca tcntgctccc   600
agtccgggac gtccaggcaa caagggcgtg gaaagtgagg gggctgggag gtgtgtttgc   660
cttgcctcag gcgctgggtg gggttggggc gtgccagcac tccctgggcg gcctcaccg   720
atgctggcca ctataaggcc agccagactg cgacacagtc catcccctcg ccactctttt   780
ggcgcttcat tgtcgacgtg tggtgagctc tcactggggc gtccctctaa gatctgtcca   840
ctcctggtct agggnttaag cctttcctgc cctgaaagac cntacntgta ggttngncaa   900
gctaaatgag atc                                                      913
```

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<210> 116
<211> 1123
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1123
<223> n = g, a, c or t(u)

<400> 116

```
acgcnatntt ggtggaattt ggggggtaaa aattttnaac gaattaggna ncttagggna        60
cnaaatccga aatgggggaat ngggntaaat ttcgaaccnt ttnggaggnn ntaaatntaa      120
aaatgaggnt aattggnttn gaaangcnta tcaggcattc caaattntta aatttccctt       180
ggccagagat tggggaaaat tttncccgga ntccagnttt aggttnnttg gaaaaacggn       240
gccccaggga ttgttgcacc nttcccaatn aaggnggttt tccntccaan gcctttnggg       300
gnaaacccag gggggggnttn aggggcccaa ttcaggaaaa ggggaccgga ntcgggtccc      360
ggaaggnttc ccggnggggga atcaacccgg ttcccntccg gaggccgggg gggaccttta      420
ggtttccccct tgcaggggta anatcccctt tttcaacccg ggggggtttgc ggggnacgcc     480
cctttgccct ttcccttccc ttgccnggcc cgtttgccc aattnggccg gtcctaactt        540
gttggcgcaa gggactttg gcagccccgg ccggtttggc ggttggactc caaggggggta       600
acagggccaa accntttggt tgaaanaagt taacttgcgc ccccagtcan gcgtcagtgg       660
gnangtgacc ccgcntttag gagtttgccc cngccnttag gccttgcccc cagaggtcgc       720
cccacntact agagtgtcgc ttggcgcgat gacgtangan gacgcaggcg cagtgagtag       780
gcgacgttgg gacggcccctt ggttgtgtcg ggggcggaac tntgntggct ttgagcgcct      840
tcnaaacagt aggttgcttg gggctctgcg gcgtcggaaa taaggcgggg aggagcaaga       900
aaacagggat cctccagtcg tgtggaccga cccgagtccc gcacccttt taaggcctgt         960
gttgcggatc cgcgcggcca tcacgcattg catcacggtt ttactgtgtg ggaaacgtag       1020
ccgtccatac ctgggtgtag tcagggacct ttatggtggc tgtcacgcag gcgatttgnc       1080
aattgaaaga ctttnncctg taggnanggg nagctaaaaa gat                         1123
```

<210> 117
<211> 1116
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1116
<223> n = g, a, c or t(u)

<400> 117

```
aattttttaa ccncccccnt tttnaagntt gaanttgcan tgcctaggag ccctattttt        60
cccccttgna attttcccc gtaaataagg naatgntgna nttgtattta ncttgcccaa         120
aaaaaacnnt gttcttnaat gcaaggtant tggggggttat tattntgaaa ggcaactaat       180
tnttaatggt ggattnaaca attttgaagn ggattaaana aaanaaatna ttgntttcca       240
ttggnggtgt gggnttaaaa cccttggtnn ccagggttcc antgggttca ggccctttga       300
gngggntccc cnttccccgg gaatnggntt gaaccggaaa ttgaacattt tgcacccttt       360
tccggnggcc cttaaggatt gcagcnccag ttgcggggaa ggggtaattc cttgcccncc       420
gtggaagggg tttcagnttc cttcccaacc cccccccggc cgggagtccg gnggggcggt       480
ttntttcacc ttaagggcgg gcgtggantt aaattaagcg ccggggnggg ntcccaagcc       540
ntccggcccg gctttggttc cttntgggcg ccgggggcna acggccccng gggctttggg       600
cggttntccn nccggccaac cgggncccgt ggttgntggg ttaggccagt gcaccnggag        660
ttnccggggg caaccaaatg tccaggactt angctntgca aggagtttgg gataggactc        720
```

```
ntacaatggt ccctccctcc gtttgccccc gaggcccttt gggagctggt tnatcccaga    780
actcagtgag tcactctcat gaagcacggt tggctgcttt ggaatgctgg gcaaccccag    840
aacacagtgc tgtactagta cacacacaca cacacacaca cacacacacg ttacacatgc    900
tgacacaaac atgaaaatgc agtcaacggc aggcagagat ggatggatgc acattgctgt    960
ggaatggtac actttgcacc tcacactctt ccagagggac agtccataca acactcagct   1020
tcgcttccca ctataggctt cacatgacca gctcttcagc gtcggaaagg acngtactga   1080
aagacttnac ctgtaggnng gncagctaaa aagatc                             1116
```

<210> 118
<211> 900
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 900
<223> n = g, a, c or t(u)

<400> 118

```
gggngttngc tctcagatgc nagntacnnn tcagggggng tctcacgaga aaanctnatg     60
tgtgggggnt antntgtatc ccctnnnctc nctcgaganc ccnnntctcg anattttggn    120
gaccnggggc cggggcccag anactcncca ccccatatgg ngaccctnta taagtgtcnn    180
ccagggnntg ttttgggnaa aatatancnn anagnggtgt ntntnanatc tcgggggggtg   240
acagacccnn attttttttt ataaagaccc ggggcatntt ctcngccccn tctcctcngc    300
tacangnnac ccacacacag tgtgtctcct ctcagcccc tggcacactt tntntngant    360
cngnggggat atgagattcn cnagactggg nccgcnntan tanncncccc cntgtctcct    420
ctcatagtgt ngtgtccccc cctcacccnn tnttgnggtn ccctacaccc acacaatnta    480
gactctnccc nccntcngct ntgngacnca canctgnaaa tcccgnnncn caaaaagggc    540
tgtnctcctc tctnttacng ggnggtcncc cncnnnngac tctnaaangt ccctcncaaa    600
agggacnctt ttctatacac ncttantttn cctcctttgt ntngcaaaaa annancctgt    660
gttncccccc nctttatnat ntttntttn ttccccaaac taanctttta ggnntnanct    720
tccggggccc caaccccaaa atcccantnt tctttntntnt tggttggggt gtcaaaattc    780
ctnccccctaa anttttgaac cccctttaat tcccccccccc ggntnaaggc ccnacttccc   840
tnggntnttt tcnctaaaaa attttttgtn gccctccctg ggaaatcccc ggtattcctc    900
```

<210> 119
<211> 498
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 498
<223> n = g, a, c or t(u)

<400> 119

```
atgttgtgtg gaattgtgag cggataacaa tttcacacag aattcagaag gatctcagaa     60
attgaaagca tgtgcaaaga taaagatttg gggtagtagt agtggtcaaa agggacaagg    120
taataatggt aatatgcttt tgtgtatgtg ttcttttaga gttatgttaa aatctagaga    180
agcaaagtcg attctcatag atgcttttag tctttggacc ctgactagag acagtttaca    240
ccctagacaa gagagagaat ggggttgagt aaaacagtcc tcccgaactc tccacagatg    300
ctttggcaaa agaaggaaat gagcttaaac ttttttggagc tctcctggga acagaaggag    360
gtgggagacg tcttgcctcc ttgctgctcc tattggagaa gtgcttattt ctggttctgg    420
```

```
gttttttagg taggntgtct gggtcccttt ggtntgaaag accttacctg taggtttggn      480
cgntngaaaa gatcntgg                                                    498
```

```
        <210> 120
        <211> 380
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 380
        <223> n = g, a, c or t(u)

        <400> 120
aatgggnggt ttccgaaaan aacgcnaaaa aaaaagttag ggaatttggg gaattaagaa       60
nccgggaacn tgnaaacatt gaccaanctt gttttaatta ccggtttggg gnaaaagggg      120
caaccccaaa ggggaaggga anggaangga aaatnaattn cctttnnaaa aaggagnaaa      180
tncgggtang gaaaattccg gtgnggggtt ttcaaaggtc ccccccgnn ggnntaaaaa      240
attgaagttn antcnngggg gggaacccaa nagaatataa anaaaccggg gtttcccccn      300
gggagttcct tggggggtttn ccggttcgac ccgncgntta ccggaaacct ntcnccttt      360
tcccttgggg nagggggggg                                                 380
```

```
        <210> 121
        <211> 998
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 998
        <223> n = g, a, c or t(u)

        <400> 121
acatgtacac aactgggtcc cagccaagtc aggttccagc tgccagcaga ggcctggagc       60
tagcttcgcg tgcactacca ccctgcccaa cctggcactg tgcccattga cttcggggggg     120
ccgggggcag gaggtaccca cctcccccacc ctcctcttcc ctcctctcag gagcttatct      180
atcggtgagc agcaagtagg aaaaggtaag ctgagaaaga gcacttggct ggctacagga      240
cctcagcctg aggtgtgaaa caggagactg ggcactgggg aaacagcagc actggctggg      300
ccaaagggga gggaggaagg caatgaatgg gcaagcctgt gccttacaga aacagactcc      360
cttgggctgg gtgctggaat cctaacccct cagtgatggg ggaactctgc tccagtgagc      420
tgaagtatac atgtggggaa ttgggggggtg gggtagggg aaggcaatcc aaaggtcact      480
cccctgacct agttggacca cagttaatta aggctcccaa gccctgctga ctcttnacgt      540
ctggtttctg gaaagaaggg agttaatcag caaacaattt aagaaaggta taactgtcta      600
cccctgcaga ggatcatggg ttncctctct anncttctga gccgtggatc tcagccaaaa      660
acaaaaacca aaacaaagaa acaaacgcct atttaaaagg gggttggagt tgggcagggg      720
tgaggtngtt agatcatctg agagctccag gacacgcana tagttgaaga ggaaaccaag      780
atccaaatgt cttctgacat cacacgggat gcagcagcac accaacatat actttancct      840
cnccagagag gaaaacaacc gcctagttaa taagcagagt tgggctgttg gcaaaccgtc      900
attccagatc tgaggnaagt tggatggttc gggtgtctat gttnacntaa gacctgtttt      960
acaagctnnt atgggcaagg gctttggttc nagnaagg                             998
```

```
<210> 122
<211> 970
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 970
<223> n = g, a, c or t(u)

<400> 122
ccggtcnccg aaggannttg aaccttcccg gtttttaann aanacccgna tnttcgggat       60
tgggttttta acggcttttt ttanaaggcc nagataccct tttnatggcc tttattccct      120
tccgtttttnt tcccccccctt caatttggaa gtttggtttg ccgaanttta agttnttgtc    180
ntcctncgtt nttttttttcc nttntttttt cccaaaagta acaanccggt attggtttcc     240
aaggntnttn ttgaacccgt aatngcggnt ttccggttaa ccnagggttt gttcctnngc      300
cgnttcctcc aatttttgga ntttcccagn tnggggtccn ttntcttgtt nacngttcca      360
aacntaattg acanttaatt tttcctgtgt aanttgtccc cgganattnt gggntcttgg      420
ngcagggcct ttttttcattg gaagcaaccc cntaaatttt taccaggctt gattgtttag     480
gaagtaatcc ttgcttngaa nccccacttn ttntttccaa ggntggaaac caggatttg       540
gaactgcaga ggcttcaggg tctgggaagc ggagcangca aagantggag tgcactgtcc      600
ttttgcaata tggggtttgc ttgcttgctg gctcntntcn tgctntntca gatggtgact      660
gaggctactt cagcaggact aggaataatc atgtccaggt ggntgccctt ccgagcagaa      720
agggacagac gtggggcgat gaagttgcta tcgttttttt tttttctgc acagactgca       780
aagtgtgcag agggagggag gctgtgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaac      840
cgaggacgca gaagttagac tgctgaccca tttggtgcat gtgtgcccat ggagggaggg      900
gaccttctca aaagggttca cgcagcaagc attgaaagnt tccacntgta gngtcgcaag      960
caactgagat                                                            970


<210> 123
<211> 884
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 884
<223> n = g, a, c or t(u)

<400> 123
ngggcccccc tcgaggtcga cggtatcgat aagcttgagg gacccacgtg atggaaaggg       60
agaagcaatt tagtgtcctn tgtcctctga cctccacaag tgctgtggca tggggacaca      120
ggactgtaca cacacacaca cacacacaca cacacacaca cacacgca cgcacacaca        180
cccctcaagt aaccgtggaa taaaggtccg accagaaacc acgctggaac gggagatgct      240
ggagcacatc agggtggtgc taagcagcag atcggcctgt aactggcagc agaggggtgt      300
ggctctttca gaaccaggag ggcatcgccc ctccagccag actctccagc tttcttcccc      360
tccttgcctc ctgttttcct tctgcctacc ttcctttggc ctcaaaccat aatgtgcaac      420
acattcaaac tgtagtaagt gttttaattt tctactaaac aataaaacct ttagattttc      480
actgggccag tgctggtaac agcagactgg gtggagtatc acagagggtg tggagcaagc      540
tggctaccca gggctgggca cactcaacac tctggcattc ngtggaagtt ctgggcagta     600
aaaacagaag canacgtcac gcacaggttc catagtgtna ggcatcttaa tctancnaga     660
anacctggtg ttnagtntgt nnacaaaann gantgntgna cttggacagn ggtgtttnn      720
tcccagggct tccaggantt aggggtatac caggcccann acattgggna aacgtgtgtg     780
```

```
tnaannnttt cntntnaaac cnccnnggtt gacnactngn nntccntttn aanggnccca      840
gttcccttg gggggttngn tntggaaaaa ggctttccgg tttc                       884
```

```
        <210> 124
        <211> 855
        <212> DNA
        <213> Rattus norvegicus
        <220>
        <221> misc_feature
        <222> 1- 855
        <223> n = g, a, c or t(u)


        <400> 124
cccctttccgg ggggtttana anggaatnaa tgggtntntn ccaggggggg aaacccttna      60
ccgcgngcct ttcggaattt tngtccaccg naaaaaattt nccatgngca ccatgnaagn     120
tnacgagggn attngggggtt anagttttgg agtgggccaa nangaacatg gaggaatatt    180
tgttttggtt tgngaaccat accttggaaa gattgtattt ttatccgcca acaaccacng    240
tggtagggtg ttttttttgtt tgcagcagca gataagggca gaaaaaagat ntcagagatc   300
ctttgatntt tnttcggggt ngacgttcat gttgngngga ttgggagcgg anaacaattt    360
cacacagcaa ggagaggagc caatatagag gggaaaaaa aagaaggga aagcagttag      420
tttaaaaagt tgagagaaca aagtatgttt tgnttggatg ggcaaccaaa gaagcntgcc    480
aggaatggtc ggtaaaaggt gtaagagtca tgaaagtntt ctgtccaacc gttaccggaa    540
acatgcaagg aatttcttag actggccagg attggattgt gggaaaggtn tnttcaagcn   600
tccccttggc ttttatggca agaaaatagt gcggactata gagagcgtcg ttctcaaagc    660
tttccccaat agcagaaaag cattgtccta aattccctaa aaggcaccgt gaaataaata    720
ttacgggaca cgatggcaca agaaggagct ttcaactctg ccaccagaac agttatactt    780
catagtaacc atgttgccct gttcaatgac aaggcacgct ctccagcaga aagggaaaag    840
                                                                     855
gagctgagtt cgcac
```

```
        <210> 125
        <211> 1059
        <212> DNA
        <213> Rattus norvegicus

        <220>
        <221> misc_feature
        <222> 1- 1059
        <223> n = g, a, c or t(u)


        <400> 125
caattttttaa aaaaagaat ttgggttaa tccaaaantt gnnncaaaaa ttggttgacc       60
ntttnaaccc caaaaccatg nnttgncctt tccctnacc ngtnatagtg nttgnantgt      120
aacccaacaa tcaacggnta tttgttcagg ganttnttgg taccaggcnn ttggtttttga    180
naanacggta ggtccgggaa gcnttgacgg taagcccngg gganaagggc caacggngat    240
cccaaattag gagcttgacg cattgttttc ntttgcntgg aatgncattc ttctcttctc    300
cntttatcta gaaaacgntt actcatgctt caaanccacn gttgacttcc ccagcattgn    360
ttcncntagc tccttctttg aaacaactga ttgggaaatc aggaggatan gaaaagctttt   420
aacaagagct ttcagggggct ttcggagaga actcattctt gtaggacgca ggccatgcaa    480
gcatcaggct ctgccttctg gaccccagta tacagacata tgcacaactg cagtggttca    540
tacttgtaat cccagtgtta ggaagactta gacttggagc ttgctggtca gactggtaag    600
cccagttcag tgagaccctg acttaaaaat gaagttggaa agaaatttgg aaagataatc    660
tggtattcat ctctgggctc tatttgcaca ggcacacaca caaatatacc aatataacat    720
acacagaaag agaaggggag ggaggaagag agggagggcg gtagagaact tgtgaatgtc     780
ttttgatagg ttttttttta agttattgga ttaaaccatc agcagtgtca cattggttaa    840
```

```
gttaaaaata ataaaatgaa gcaacttatc tttgctgaaa ttcattactc attatgagag      900
tttgataaaa aaaaagagga gtctcccaca gttttcctgt ctcatctttt actccagggg      960
acggtcacac tattcagtaa gatacctagg ctatctggct cactggactn ggcgtgaaag     1020
actnnacctg taggtttgng cgctgaaaag atcttnaac                            1059
```

```
<210> 126
<211> 1042
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1042
<223> n = g, a, c or t(u)

<400> 126
aaacncnttc tgaanccca aatcctnaga atntttttnaa aatcccccng gggngnagcc      60
aaatttaacn nttttttcca agagcatgaa cagngngatt cttggganag ctttngggtt     120
cccttttttnt naatcnncat ngagggttct aantgaacct naaggnnatt taacttttna    180
tggaacaaac ccgttggtgt gtcccctcct tggaganttg agttggaact taaaaaaaac     240
ctttccnaaa aattgtgtaa tctgantcca aacccaaatg aggacaaatc cagtgtagga     300
ggnatttagg caaattaaac tgacttggtc aactttctga aaatgatgtc ttgatttcag     360
gaaggatccc cagtgcntcg gggacntgaa agggagatgt aacccttgag ctcatggnta     420
ggaagggaaa tcttagagac agcttggtaa aatctgagtg aggttgagag gttggaggac     480
cacattgtgt atntgctcat ccctgtgagg gagagacttg tactctgctc ttgagaaggc     540
agaactgtta ggcagacact tagagaatat atgtcatggc aaangacatc cacccaacaa     600
gtcttcagta acaaagcact aaacagaaag gggttgaaga gacttggtca gtggcatgag     660
agnttttatt gctcttacag aggactcggc atgcntagca gctcacaaca gcctgtgact     720
tcaacactat gcctcttggc ctcaggagac acctgtgtac tcccaccccng acacatatac     780
ttaaaaataa aagaaatctt ttaaacattg agcaaatgta atcaggtact aacattgaat     840
atatctgggg ccaggaatta ttctggttta ttgccttttt cggaagccta atatcacaca     900
tagagaaata ggcagcacag gcctaacagc ccatantgtg tgctattcta tcaatagtgc     960
caagtattga catggactat tnttaaggcc aaangagagg tcnccagaaa gttatacatg    1020
taggttggcg cgctgaaagg at                                              1042
```

```
<210> 127
<211> 960
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 960
<223> n = g, a, c or t(u)

<400> 127
ggcccnnaat naaanggnng gttgaacccc ntnttngaca ngntgcccaa aantacnggn      60
aaccattncc naaatttnna agtgtgggat naaggcntgn cccatnatcc tccctnttga     120
ntgcncccaa agtaaagncc aanttgaggg nggannttn ttgaaacgta attaanattt      180
ttccgataag gaaacggagg cccgggaant gatccntttg gagttaccag gtcagtttag     240
cattaggntg acagttgnga ccaattnatc cttgcccgtt ggttggaagg agaggggant     300
aagggttaag ctcntgagtc ccttgaaggc cttggaatcg ggaattccct taaagccaac     360
cccttttgccg ttgaactgca ccaaccagat gtctnccagt ttgcttgaag agacgggatt    420
cantgntgtg gagagggca ggagggntgg gaggtgacnt nacagggttc aggggattctt    480
```

```
ttagaagggt ccaggctcat ggcttccccc cccccagcc aggtcagaca ctaaagtgtc    540
ttaagcccct ccatacctgc cgctccccca ccttggatga agccggccat taggcaggga    600
ccgtctctgg gagaggccaa gccctctggc tcacttgtgg atttccttta agcaagactt    660
cctctctgct tccaggactc ctgtcaaaca agagggtccc tggcttagag tttgggagct    720
gcaggcagaa cagacattcc ccgatgactc acaagcctgg aactctgtgg gccagcagga    780
atggggatgg ctttctggtc agtcagggtc aactgggaca ctcactctga gacagggagg    840
caaggagaa acaggtcaga ggtagagaga gctcagtcca gggactcacg gtgaggtccc    900
taaggtgcgt agggagagga tntaacattc ggtttggnna gctagaaaag atctntaaaa    960
```